

NO. 84

Rs. 4



TINKLE



THE FORTNIGHTLY
FOR CHILDREN
FROM THE HOUSE OF
AMAR CHITRA KATHA

BREAKING THE
SOUND BARRIER



MEET THE HORSE



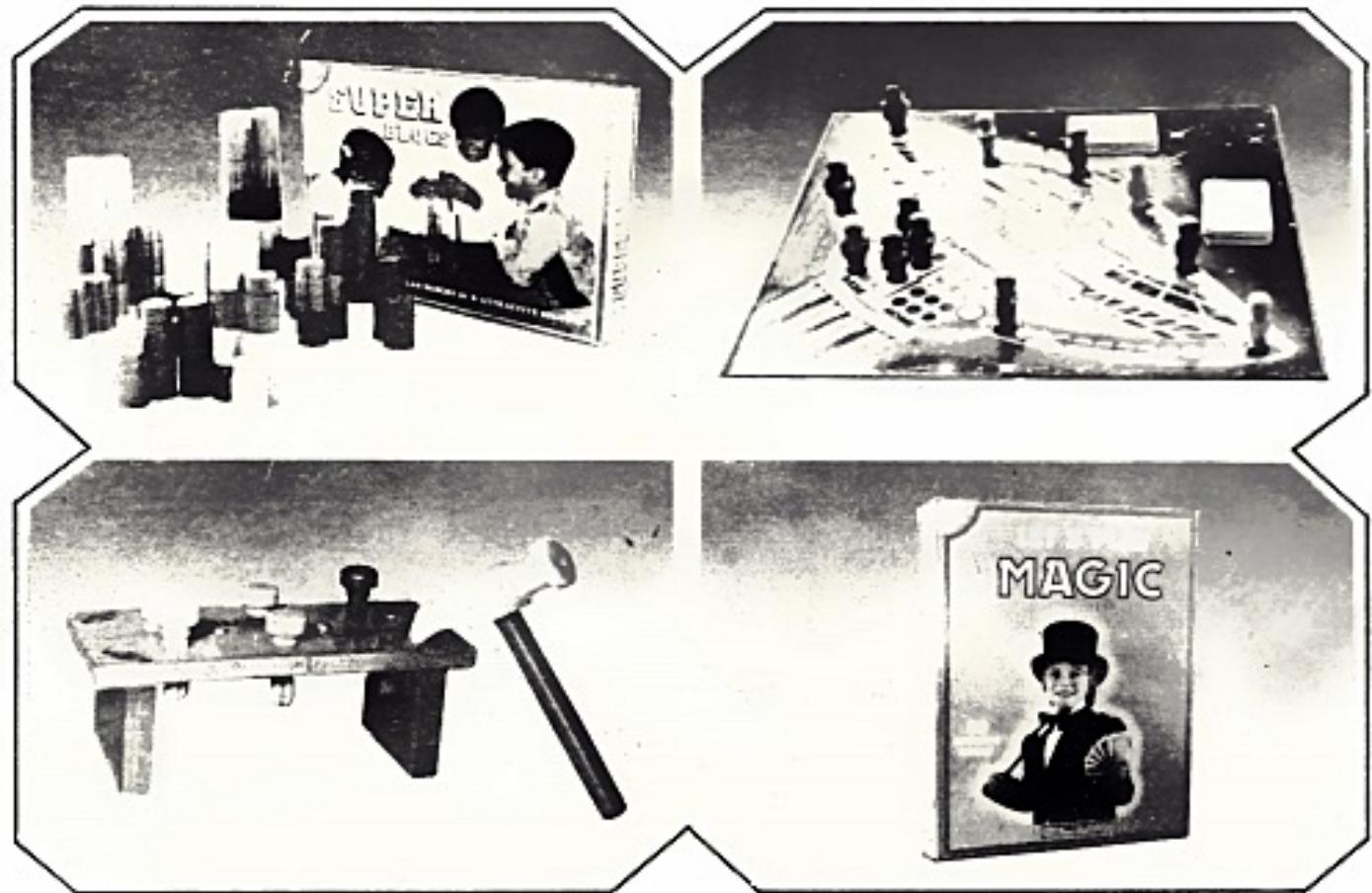
KARELA HAS HIS DAY

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Editor: Anant Pai

Associate Editors: Nira Benegal • Dev Nadkarni

Art Consultant: Ram Waeerkar Production: Maranna B. Shetty

Prize
winning
Story

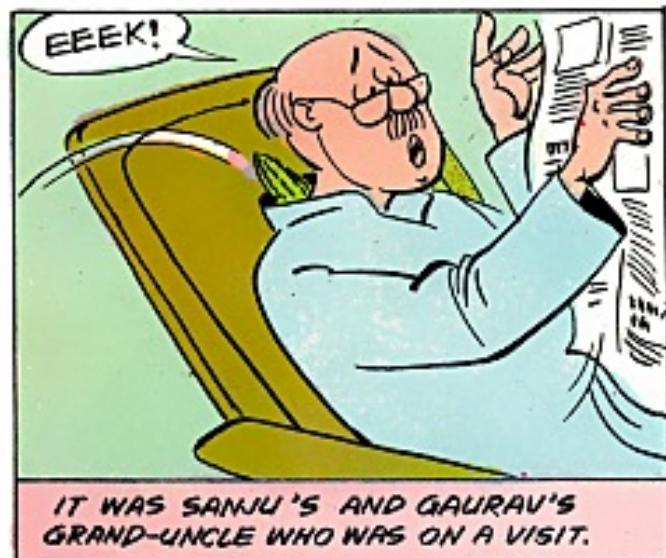
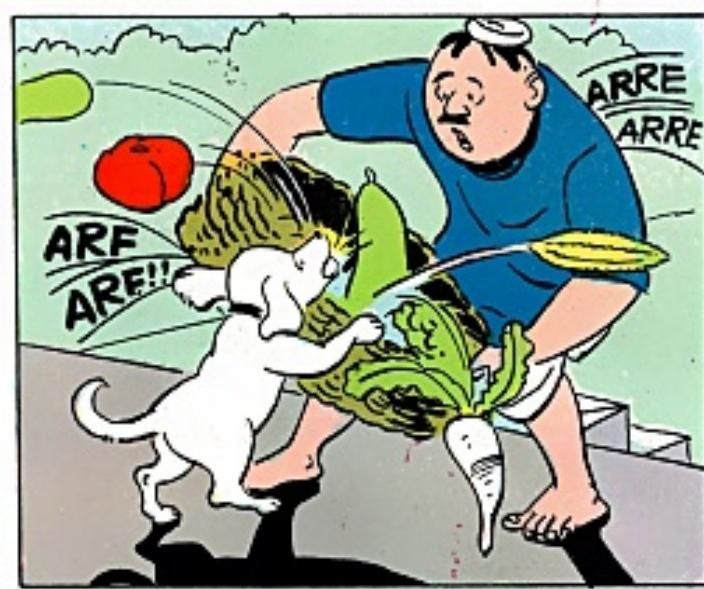
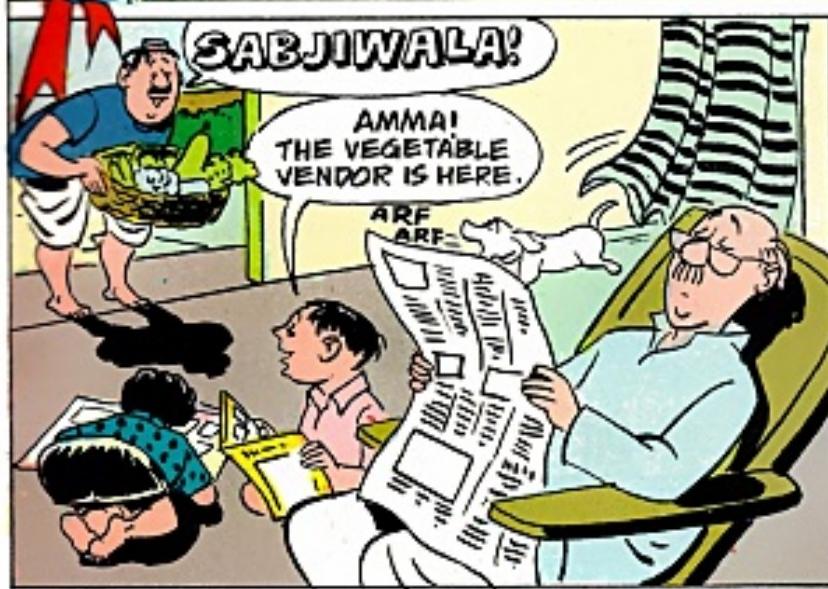
Karela Has His Day

Story: Dr. Ira Saxena

Script: Dev Nadkarni

This story won
the First Prize in the
Tinkle Original Story
Competition

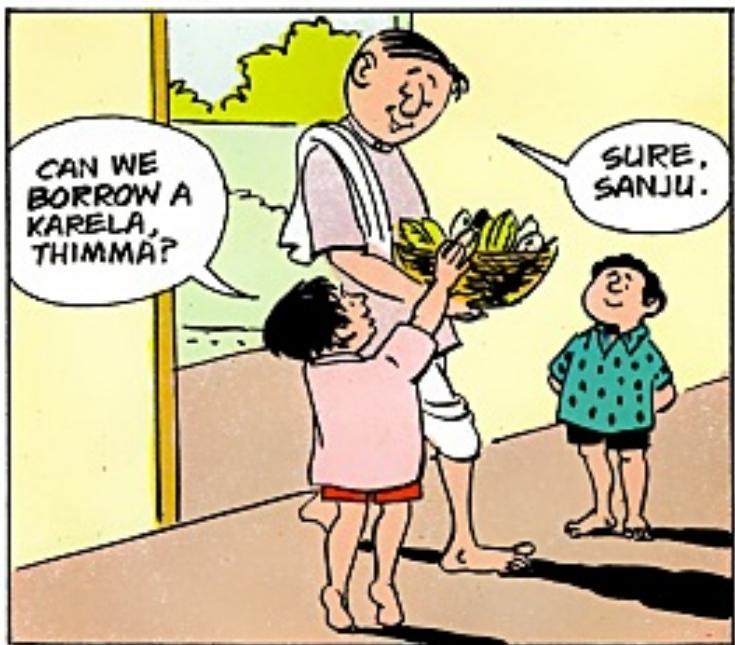
Illustrations: V. B. Halbe

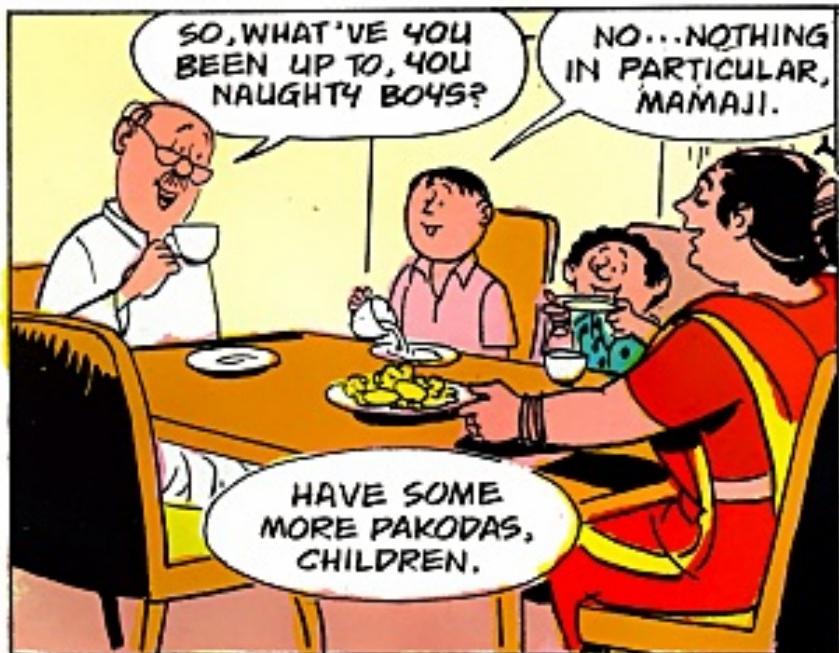
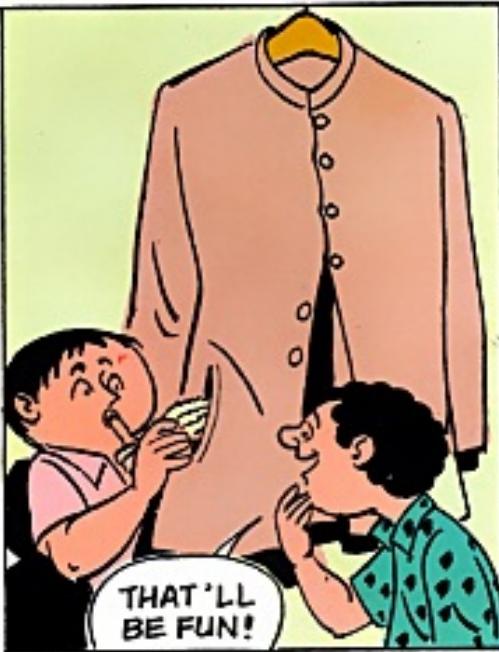
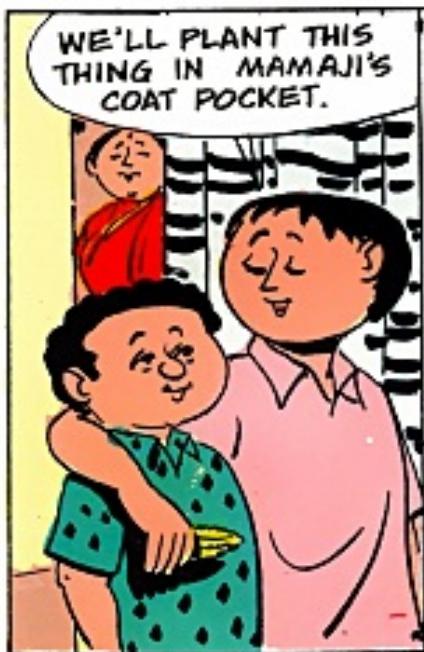


IT WAS SANJU'S AND GAURAV'S
GRAND-UNCLE WHO WAS ON A VISIT.

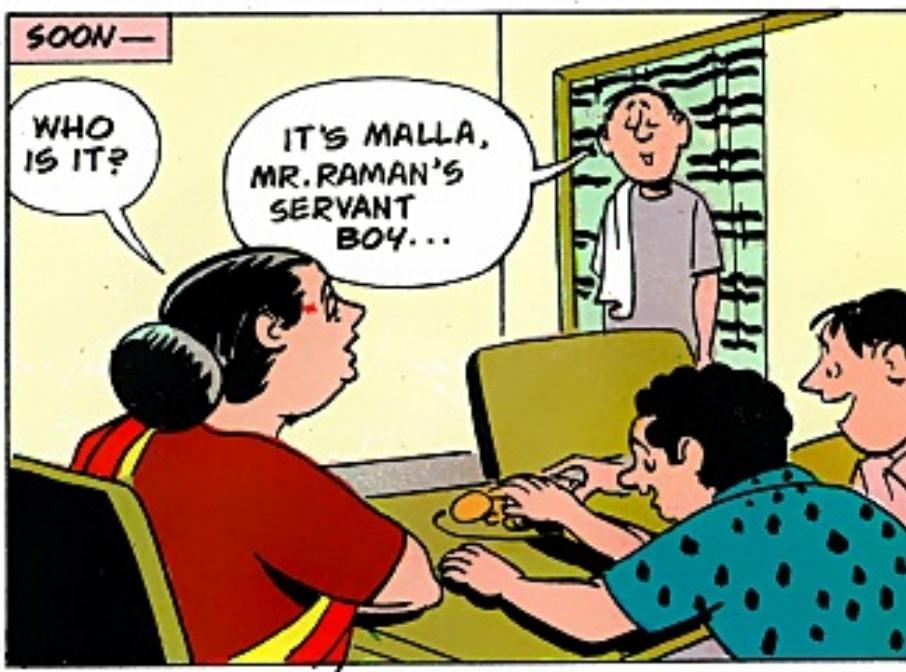


WHAT'S A
REVULSION?

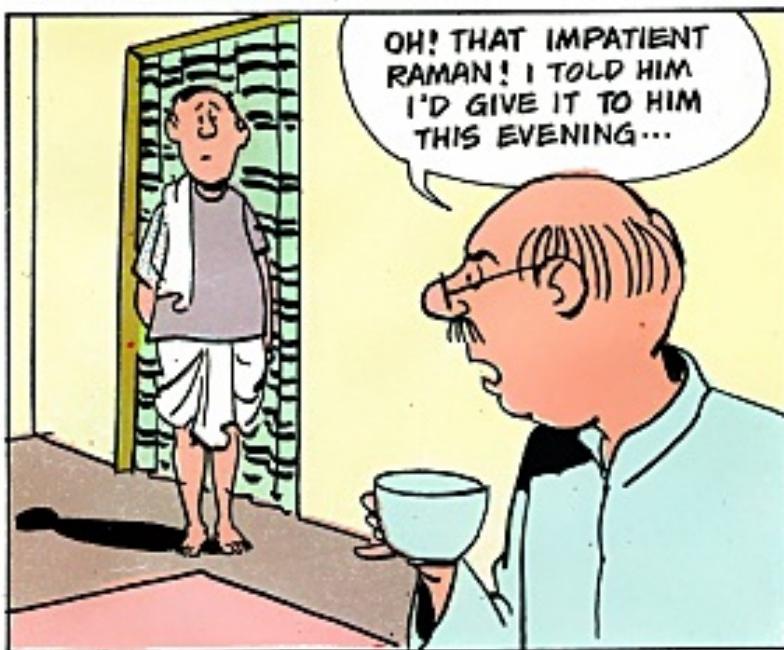


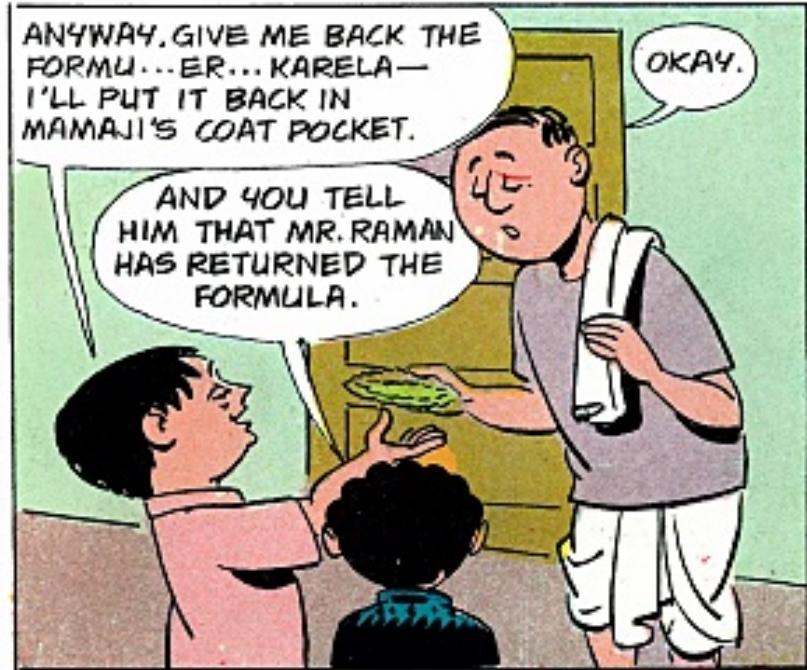
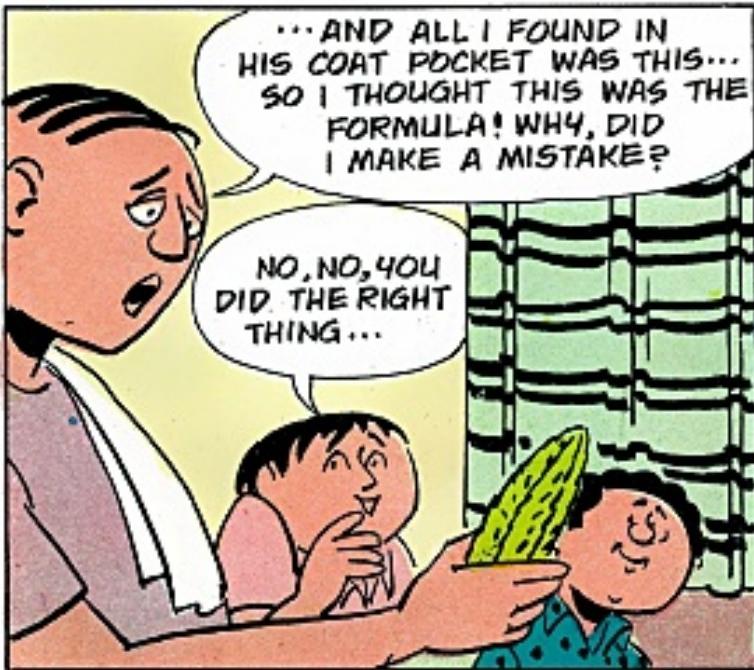
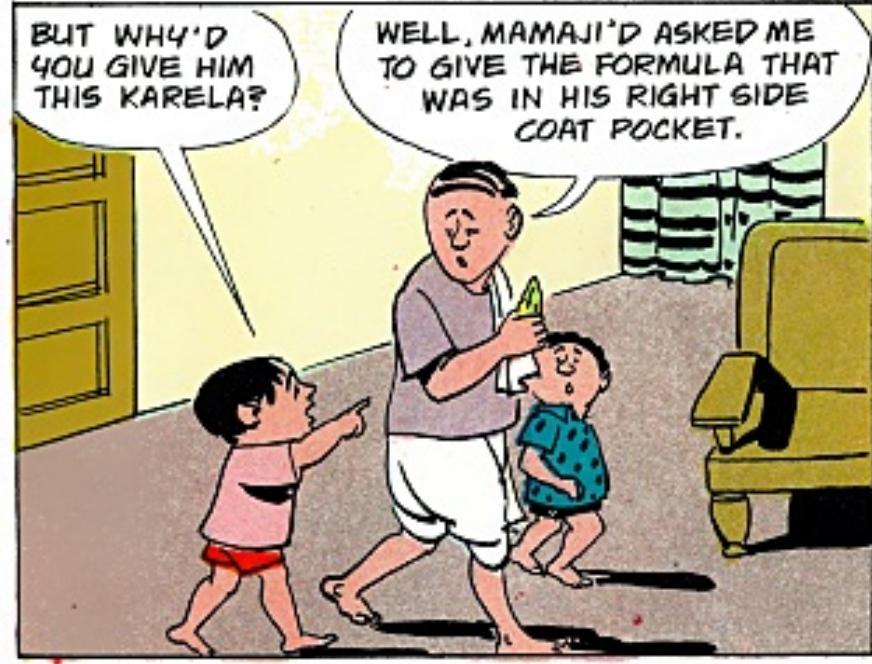
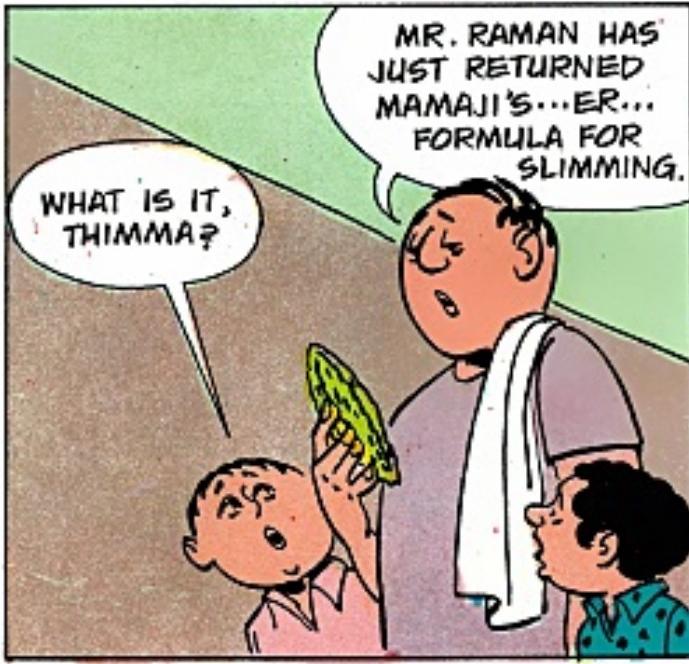
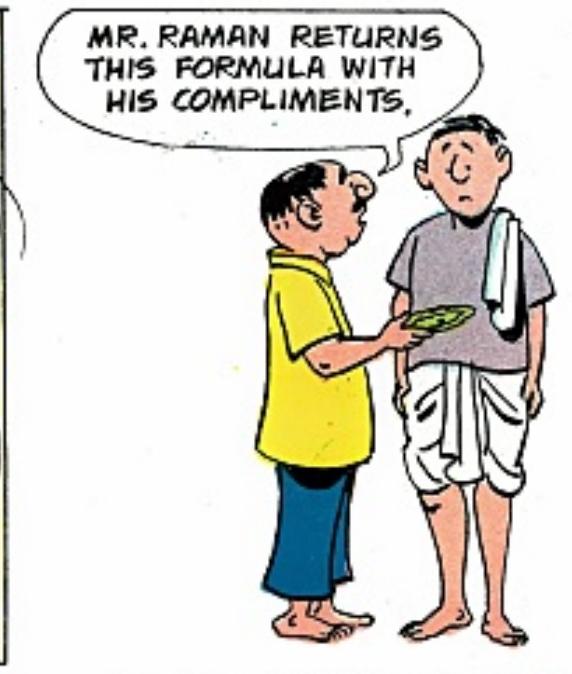


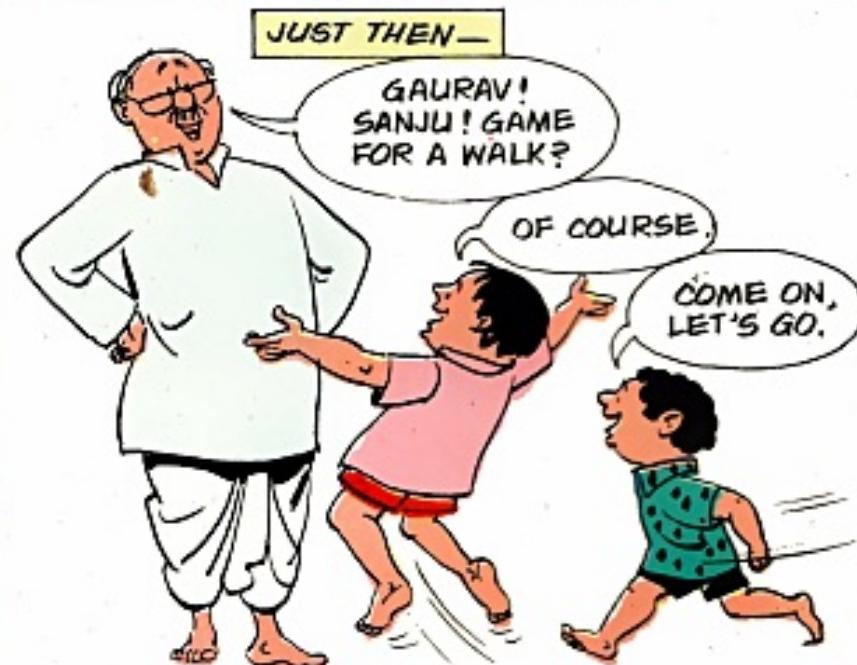
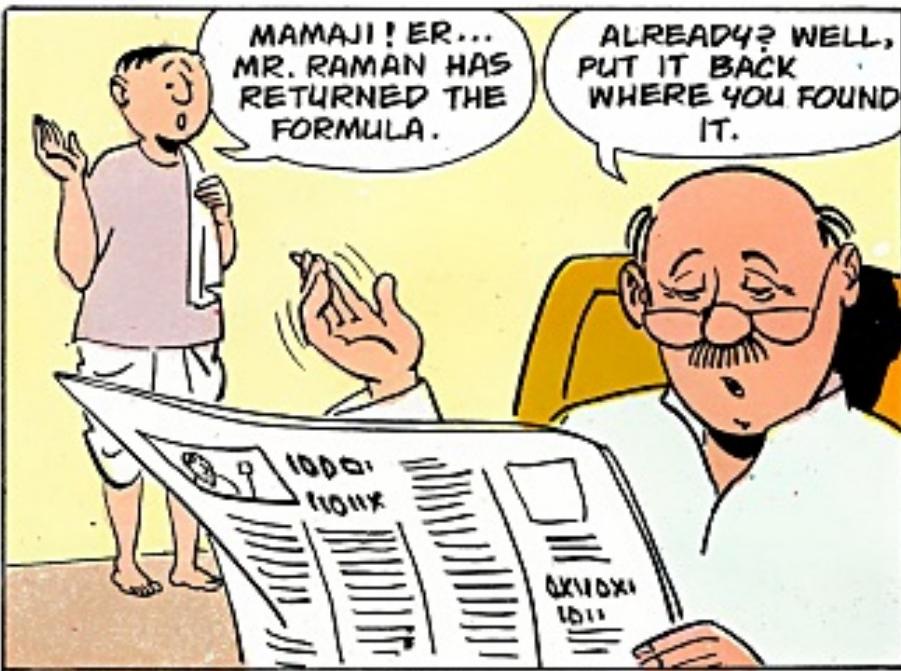
SOON—



HE SAYS, WHEN MAMAJI MET MR. RAMAN IN THE PARK YESTERDAY, MAMAJI HAD PROMISED TO GIVE HIM A FORMULA FOR SLIMMING...







SOON—

AH! BHIMU,
HERE COMES AN
OLD MAN WITH
TWO BOYS.

HEY, WHAT'S
THAT?

JUST A
MOUSE.

A ... M ... MOUSE?

SSH! COME OFF IT,
BHIMU. A TOUGH
MAN LIKE YOU
CAN'T BE
SCARED OF
MICE!

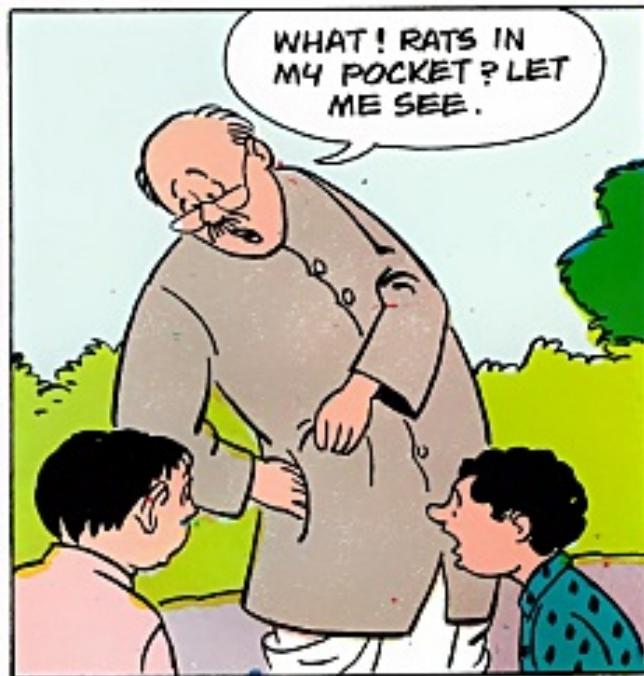
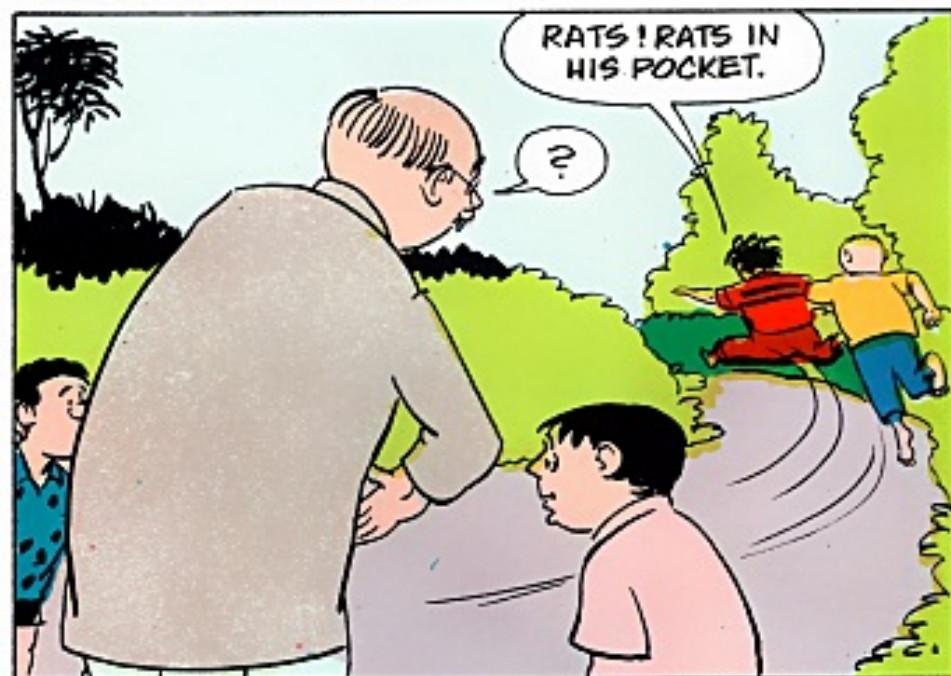
I ... CAN
FACE TEN
TIGERS, BUT
MICE! YIEEKS.

SSH! THEY'RE
CLOSER
NOW.

HANDS UP!
HAND OVER
WHATEVER YOU'RE
CARRYING.

SEARCH HIM,
BHIMU. I'LL
HOLD THE
KIDS.

OKAY.



AH! I FOUND IT

HERE IT IS!



WHAT! A KARELA?
YIEEKES!

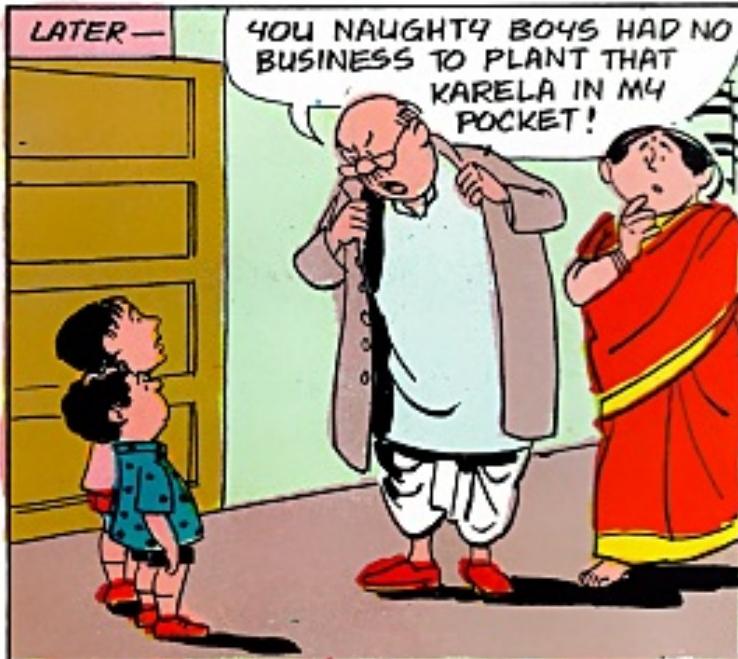


RUN, RUN BOYS, RUN.



LATER—

YOU NAUGHTY BOYS HAD NO BUSINESS TO PLANT THAT KARELA IN MY POCKET!



BUT, MAMAJI, YOU MUST ADMIT THAT IT SAVED US FROM THE THIEVES!

WELL, THAT I MUST. THANKS ANYWAY, KARELA. EVEN THOUGH I DISLIKE YOU!



MEET THE HORSE

Script: Vaijayanti Wagle
Illustrations: Goutam Sen

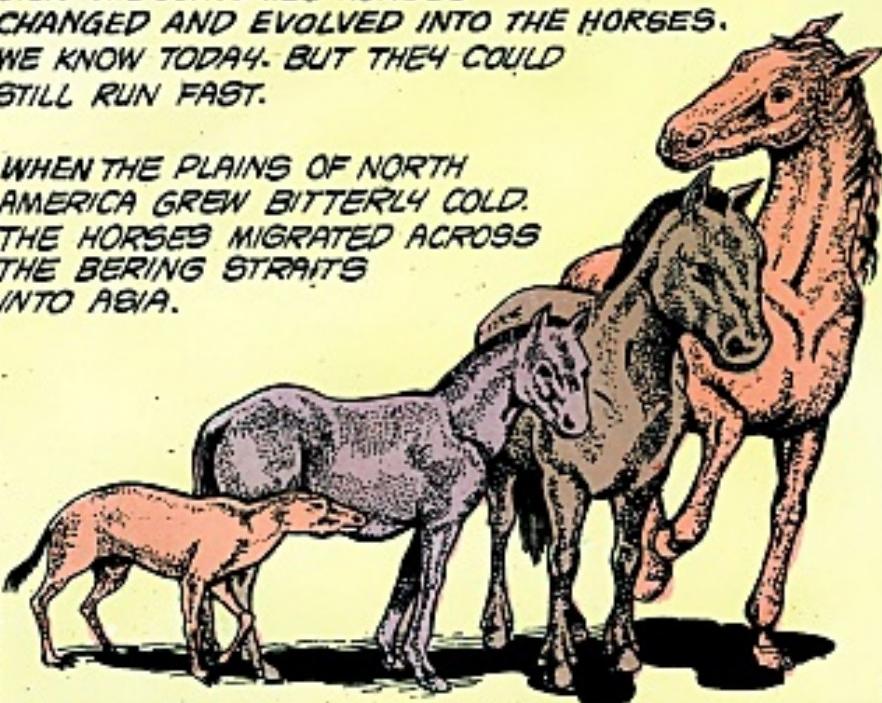
50 MILLION YEARS AGO, HORSES WERE SMALL CREATURES FOUND ON THE AMERICAN CONTINENT.



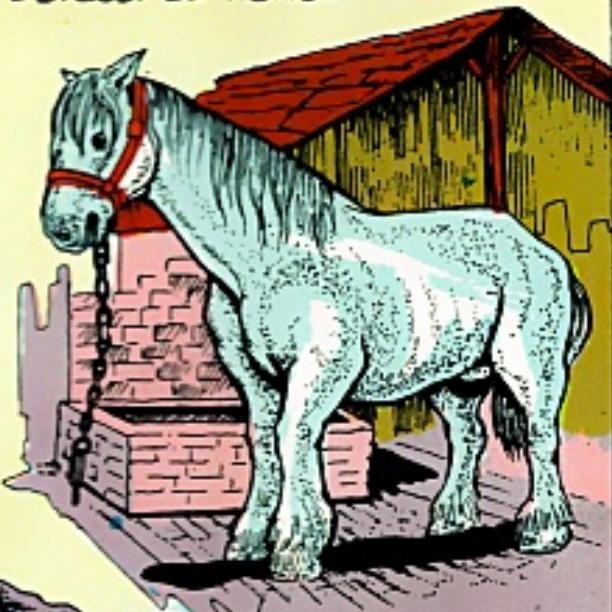
THEY WERE HUNTED BY BIGGER ANIMALS. BUT THEY COULD RUN SWIFTLY AND USUALLY MANAGED TO ESCAPE UNHURT.

OVER THE CENTURIES HORSES CHANGED AND EVOLVED INTO THE HORSES WE KNOW TODAY. BUT THEY COULD STILL RUN FAST.

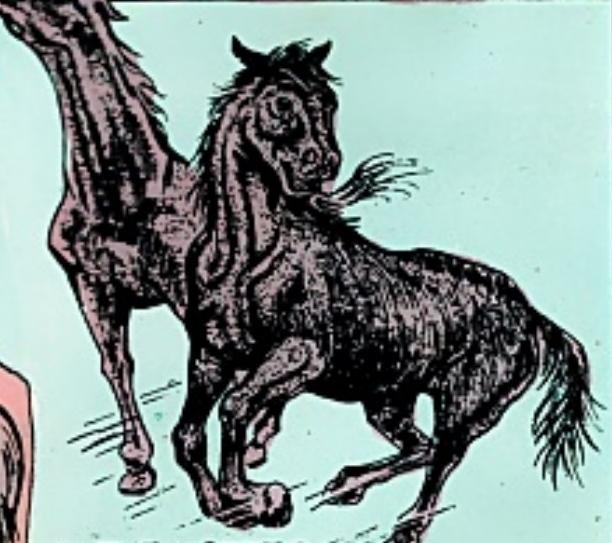
WHEN THE PLAINS OF NORTH AMERICA GREW BITTERLY COLD, THE HORSES MIGRATED ACROSS THE BERING STRAITS INTO ASIA.



IN THE COOL, NORTHERN LANDS OF EURASIA, PASTURES WERE PLENTIFUL. HEAVY HORSE BREEDS DEVELOPED HERE.

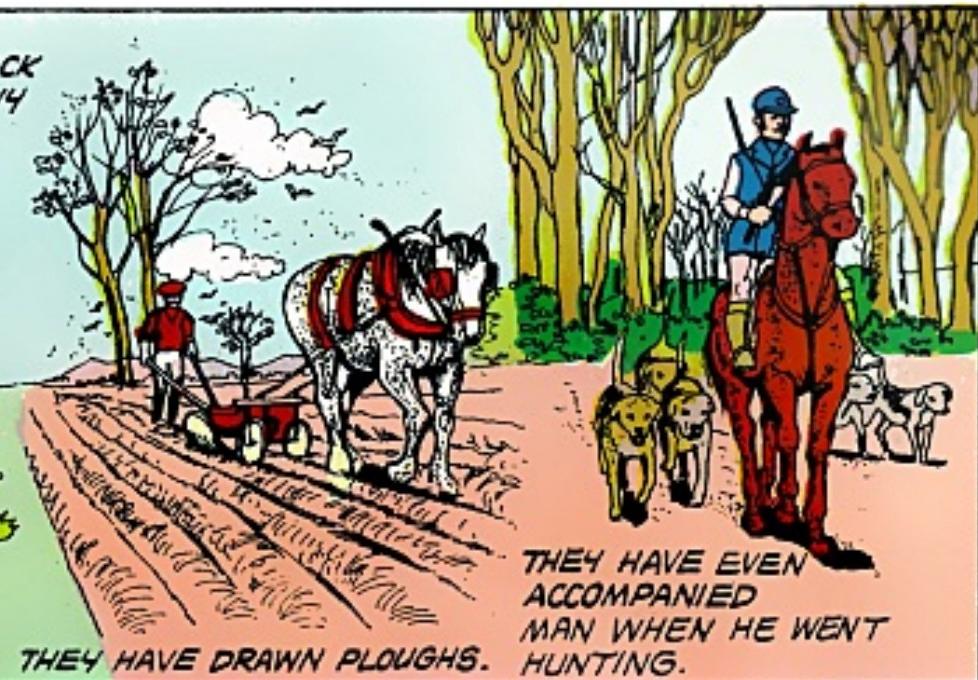


CLYDESDALES, SHIRES, PERCHERON AND SUFFOLKS ARE SOME OF THE HEAVY HORSE BREEDS. THEY ARE TALL AND STRONG AND THEIR HOOVES ARE COVERED WITH HAIR.



IN THE HOTTER LANDS, PASTURES WERE FEW. SO HORSES REMAINED SMALLER, BUT WERE LIGHTER AND SWIFTER. THEIR DESCENDENTS ARE THE ARABIAN HORSES OF TODAY.

FOR OVER 5000 YEARS HORSES
HAVE SERVED MAN LOYALLY. AS PACK
ANIMALS THEY HAVE CARRIED HEAVY
LOADS ON THEIR BACKS.



THEY HAVE DRAWN PLOUGHS.

THEY HAVE EVEN
ACCOMPANIED
MAN WHEN HE WENT
HUNTING.

MAN COULD TRAVEL AT INCREDIBLE
SPEEDS ON HORSEBACK. FOR
HORSES CAN TRAVEL
OVER 48 KM. PER
HOUR.



HORSES WERE HARNESSED TO CARTS AND
CARRIAGES — SOME LIGHT AND SMALL, OTHERS,
LARGE AND HEAVY.



NOW JOURNEYS BECAME QUICKER AND
MORE COMFORTABLE.

WARS LONG AGO WERE SIMPLE
AFFAIRS. TWO ARMED FOUGHT
HAND TO HAND.
THE ENTRY OF
THE HORSE ON
THE BATTLEFIELD
CHANGED ALL
THAT.



SOLDIERS, MOUNTED ON
HORSE-BACK, COULD
MOVE SWIFTLY AND
FIGHT MORE COMPLEX
AND DECISIVE BATTLES.

THEN THE MOTOR
ENGINE WAS
INVENTED AND THE
HORSE WAS NO
LONGER AS USEFUL TO
MAN AS BEFORE. BUT,
STRANGELY ENOUGH,
IN RECENT YEARS,
THE WORLD'S
HORSE POPULATION
HAS INCREASED.

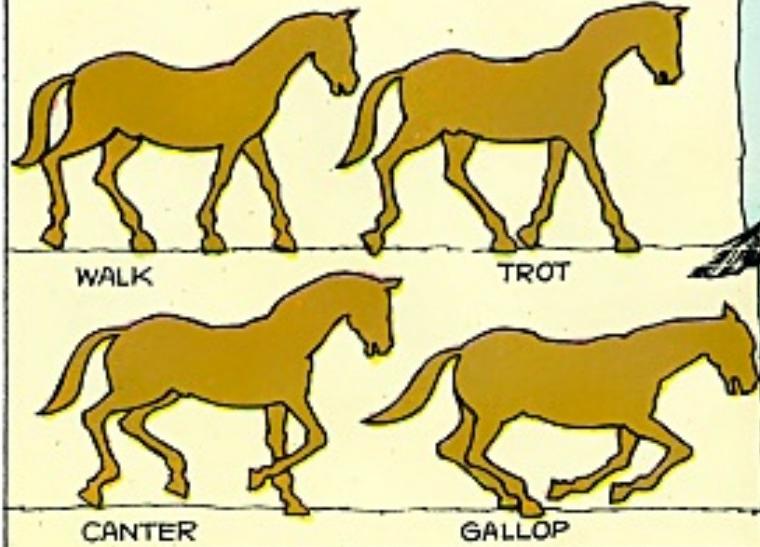
HORSES ARE BRED AT STUD FARMS. WHEN A FOAL IS BORN, HE CAN SEE AND WALK. WITHIN HOURS HE WILL RUN OUT INTO THE FIELDS.

AT FIRST HE WILL NIBBLE AT HIS MOTHER'S FOOD. SOON HE WILL BE FED HAY, BRAN AND OATS. HE WILL NEED PLENTY OF WATER.

AS HE GROWS OLDER, THE FOAL WILL HAVE HIS OWN STABLE BOX. ITS FLOOR WILL BE COVERED WITH STRAW.



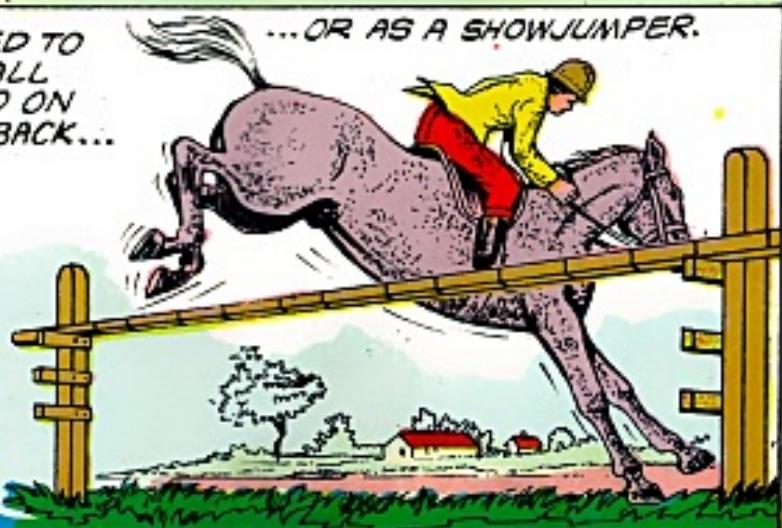
SOON HIS TRAINING WILL BEGIN. HE WILL BE TAUGHT TO WALK SLOWLY, TO TROT, TO CANTER AND GALLOP.



THEN IT WILL BE TIME TO SELL HIM FOR VAST SUMS OF MONEY. WHAT WILL HE BE USED FOR? HORSE-RACING...



...OR HE MAY BE USED TO PLAY POLO, A BALL GAME PLAYED ON HORSE-BACK...



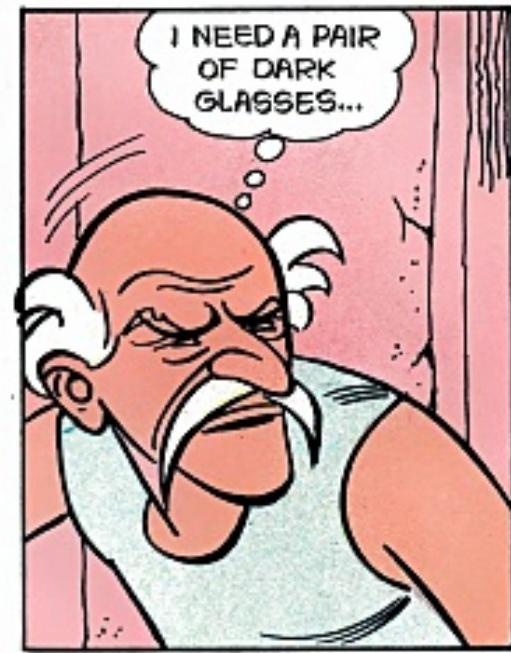
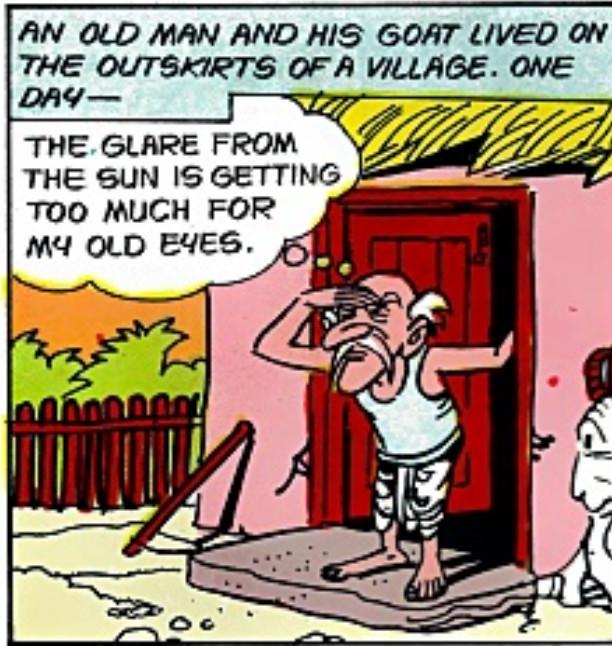
DID YOU KNOW ALL PONIES ARE HORSES, BUT NOT ALL HORSES ARE PONIES? FOR PONIES ARE HORSES THAT ARE 1.5 METRES HIGH AT THE BASE OF THE NECK.

THE MAGIC GLASSES

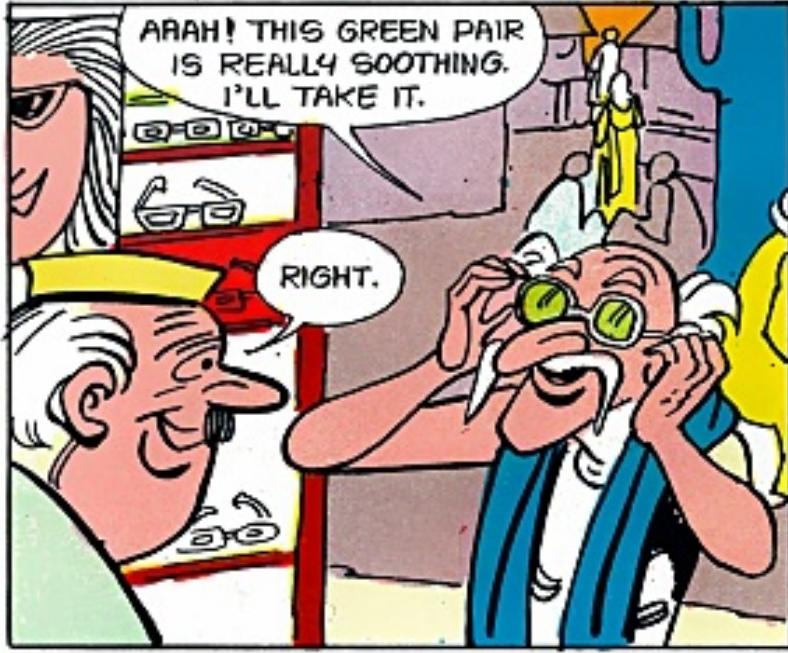
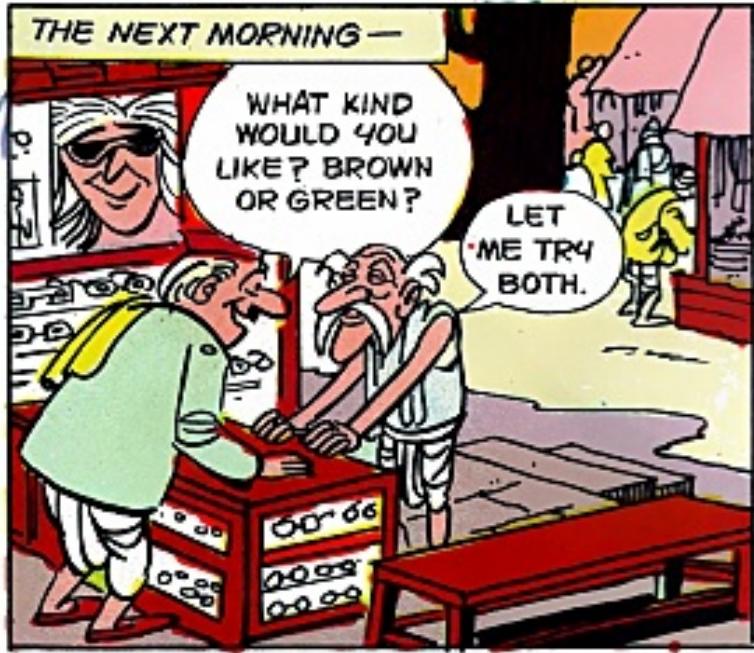
Illustrations:
Ram Waeerkar

Based on a story sent
by Rajeev Roy,
Nagaland

Readers'
Choice



THE NEXT MORNING—

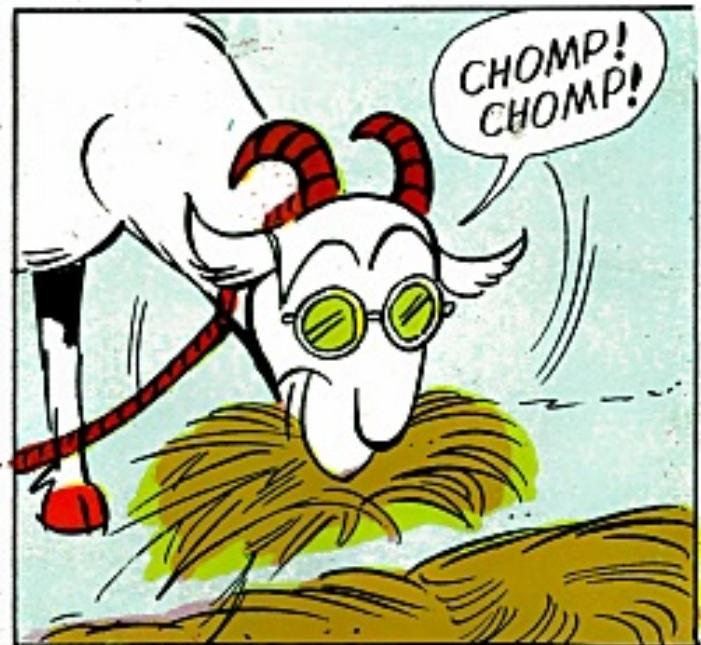
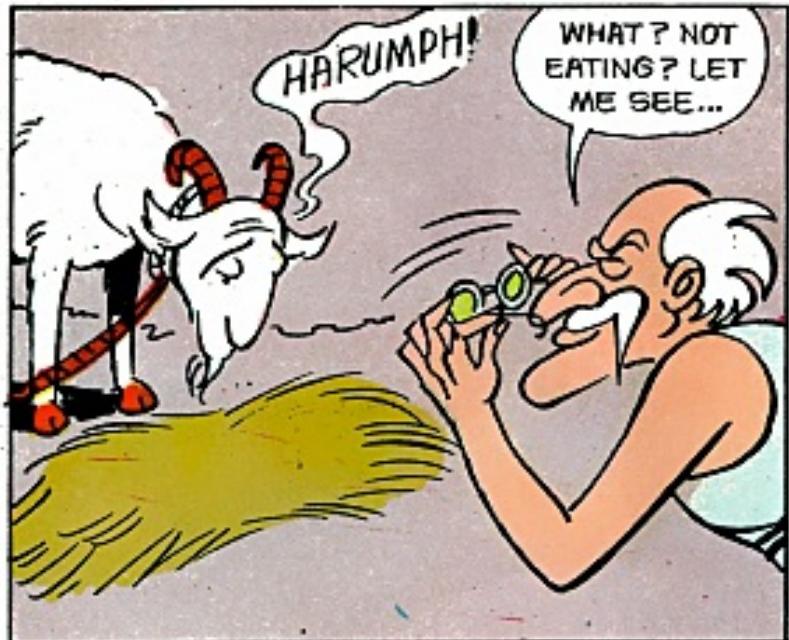


BACK HOME—



SOON—





This Happened To Me . . .

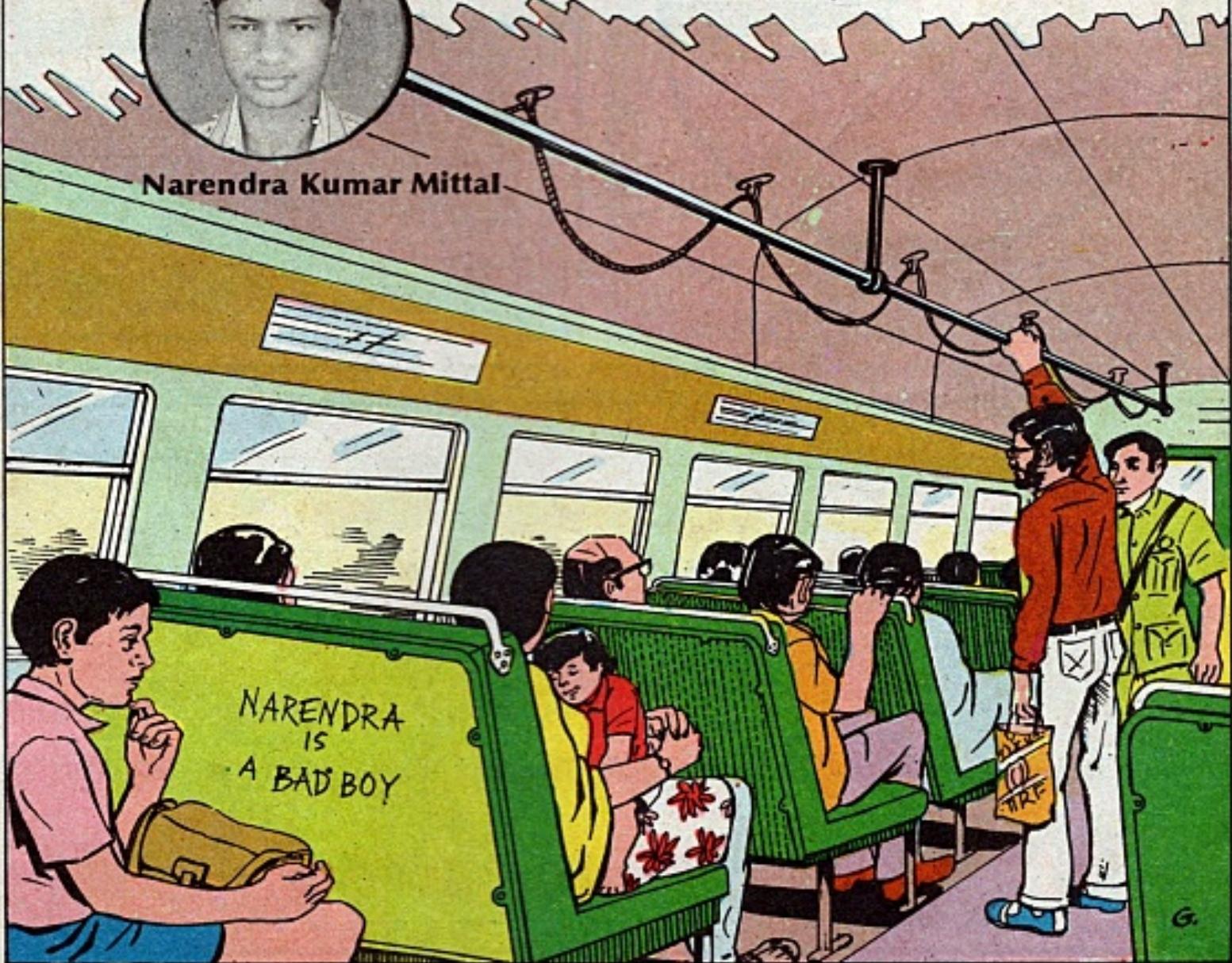
I used to go to school by bus. One day I lost my mathematical instruments box. Only the compass was left with me as I was using it at that time. While travelling in the bus, I carelessly scratched my name on the rear of the

seat in front of me. The next day I happened to sit on the same seat in the same bus. I was shocked to notice that somebody had scratched, "...is a bad boy" after my name! From that day I stopped scratching my name on the rear of seats!

This true-life story has been sent by Narendra Kumar Mittal of Mysore



Narendra Kumar Mittal



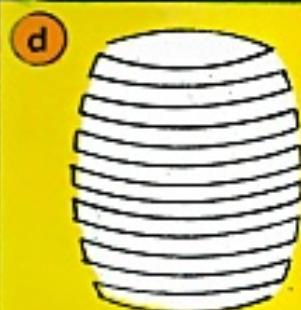
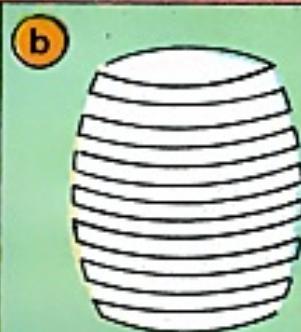
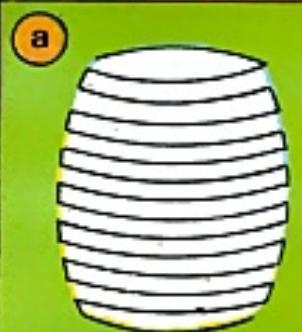
TINKLE TRICKS & TREATS

TTT - 55

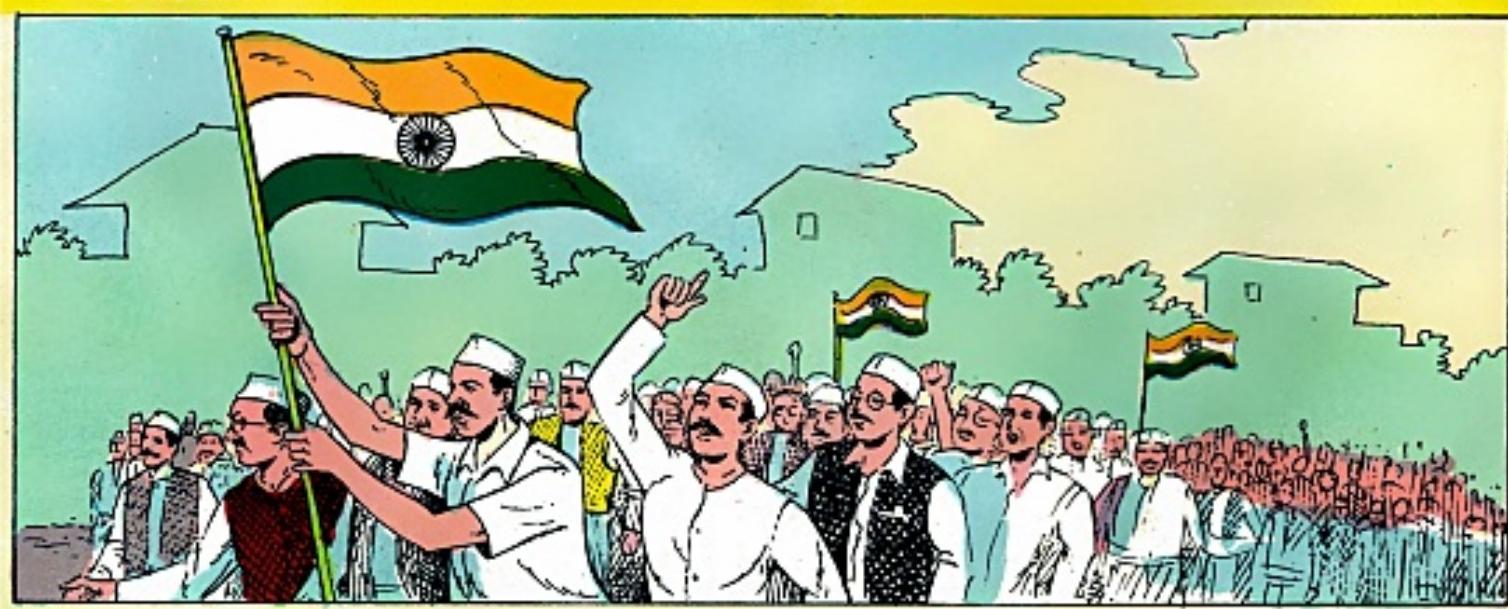
A Find the missing numbers :



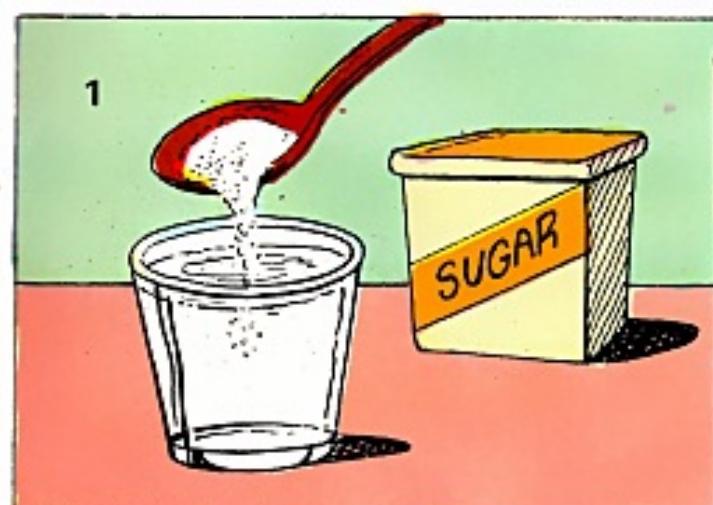
B Which barrel is different ?



C What is the major mistake in this picture of the Quit India Movement of 1942 ?



SELF-INFLATING BALLOON



You will need: sugar, dry yeast, a balloon, a long bottle and string.

1. Dissolve five spoonfuls of sugar in a cup of water.
2. Pour this solution into a clear bottle.
3. Now mix one spoonful of yeast and two spoonfuls of water and pour this mixture into the bottle containing the sugar solution.
4. Now fix a balloon tightly to the neck of the bottle and tie a string round it.
5. Put this bottle in a warm place. After some time the balloon will get inflated.

This is because the yeast breaks down the sugar to release carbon dioxide gas which inflates the balloon.

**ENTRY FORM
for TTT—55
given on page
No. 31**

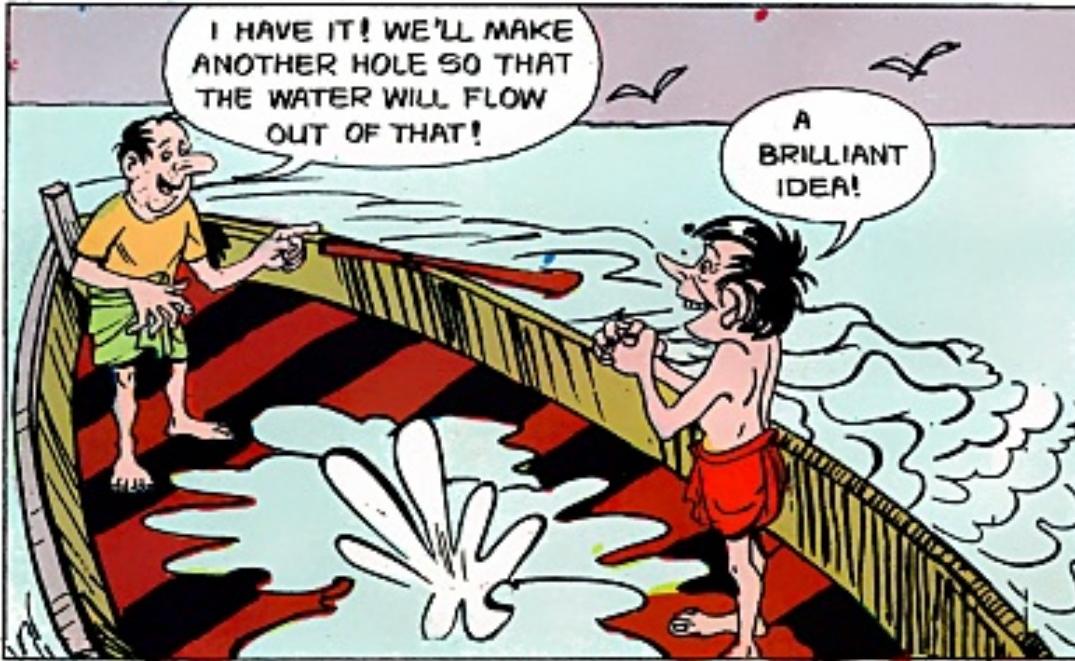
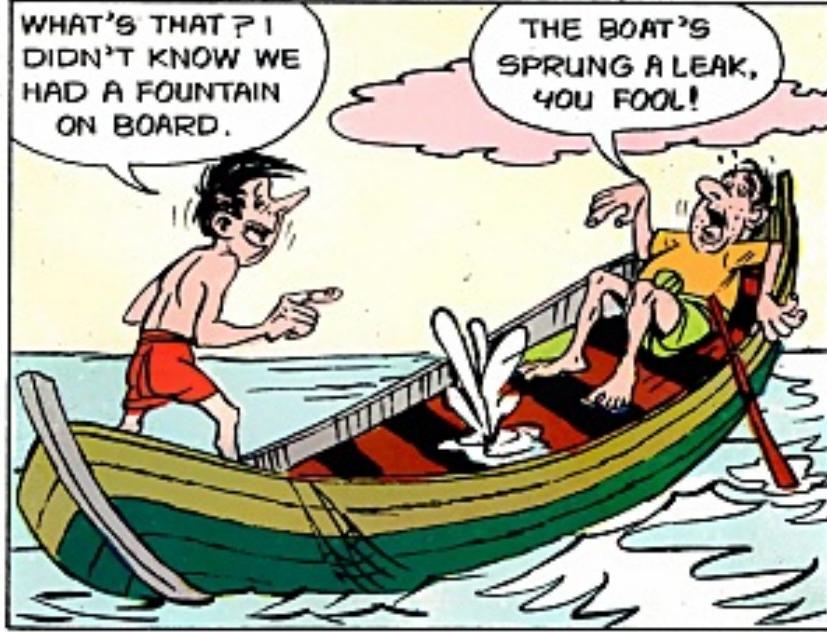
SOLUTIONS OF TTT NO. 54

- | | |
|--|--------|
| A. Scissors, curved rule, needle, thimble, reel belong to tailor | C. A:2 |
| Saw, screwdriver, hammer, file belong to carpenter | B:3 |
| B. 1. Judge's wig 2. Soldier's helmet 3. Cadet's cap | C:4 |
| 4. Arab's headdress 5. Baker's (chef's) cap | D:1 |

COMPLETE THE STORY
COMPETITION No. 17

A LEAKY TALE

Illustrations: Goutam Sen



WHAT HAPPENS NEXT?

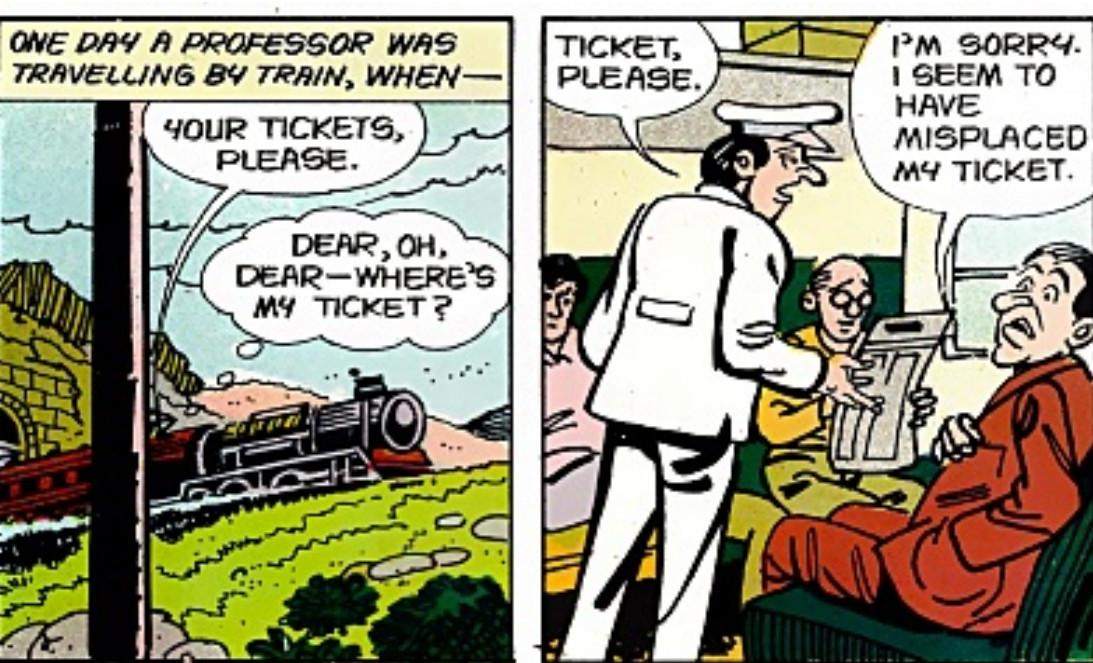
Complete the story in 200 or fewer words and send it to us by July 20 1985. The best entry will win Rs. 50. Also three consolation prizes of Rs. 25 each.

THE ABSENT-MINDED PROFESSOR

Illustrations: Ram Waerkar

READERS' CHOICE

Based on a story sent by Ashwini Bhise, Bombay



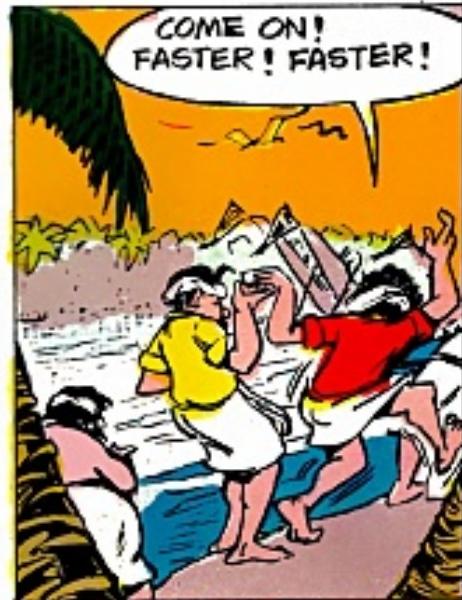
THE GREAT RESCUE

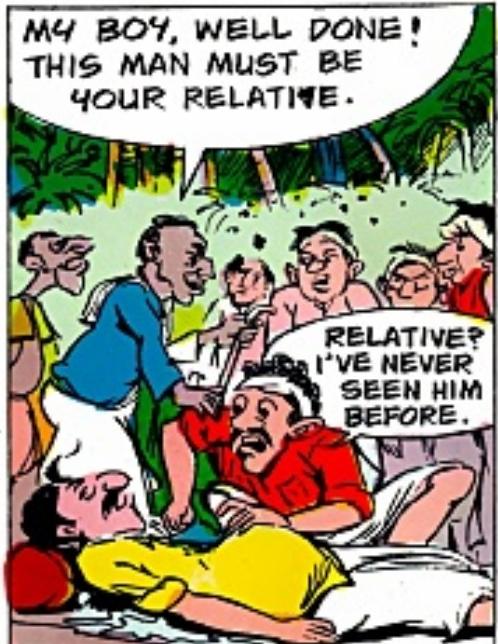
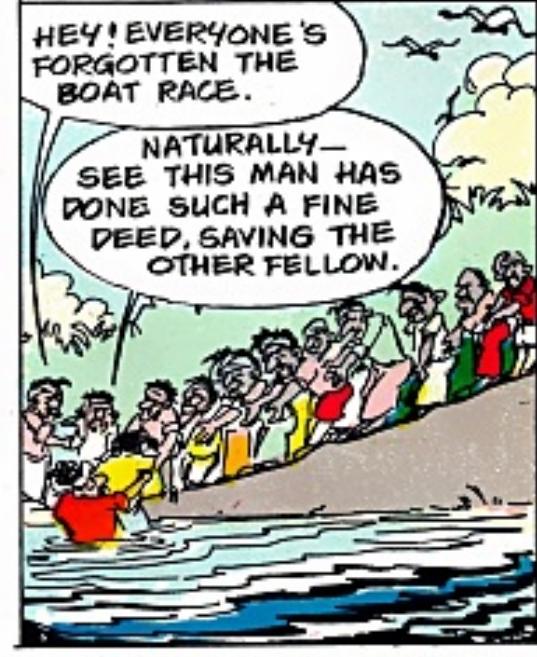
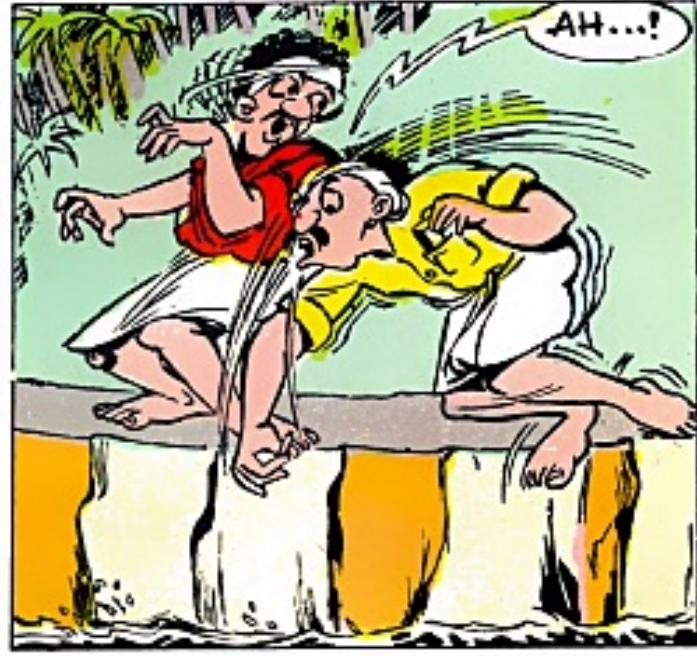
Illustrations: Teegies

Readers' Choice

Based on a story sent by
P.F. Tony, Ernakulam

THE BOAT RACE OF ERNAKULAM, KERALA
WAS ABOUT TO BEGIN.



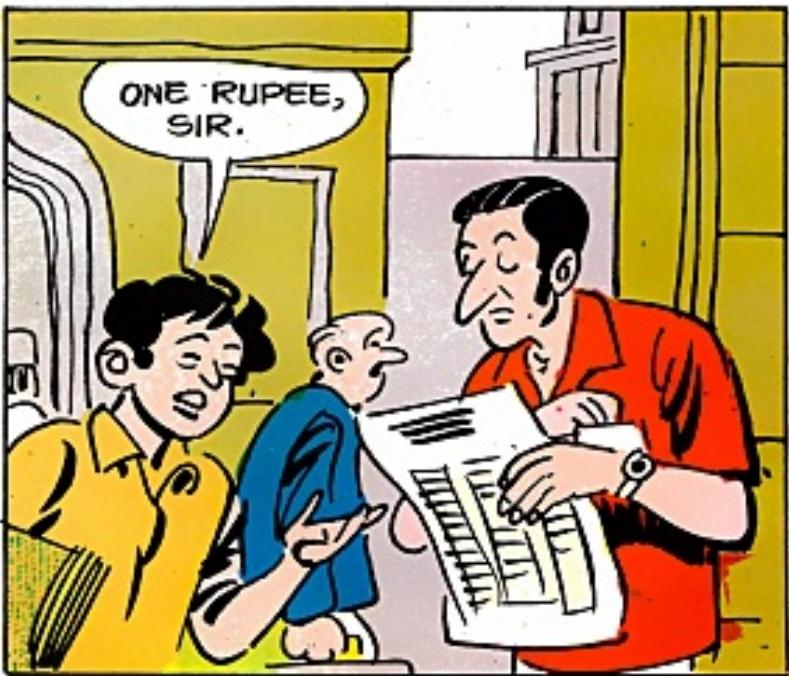
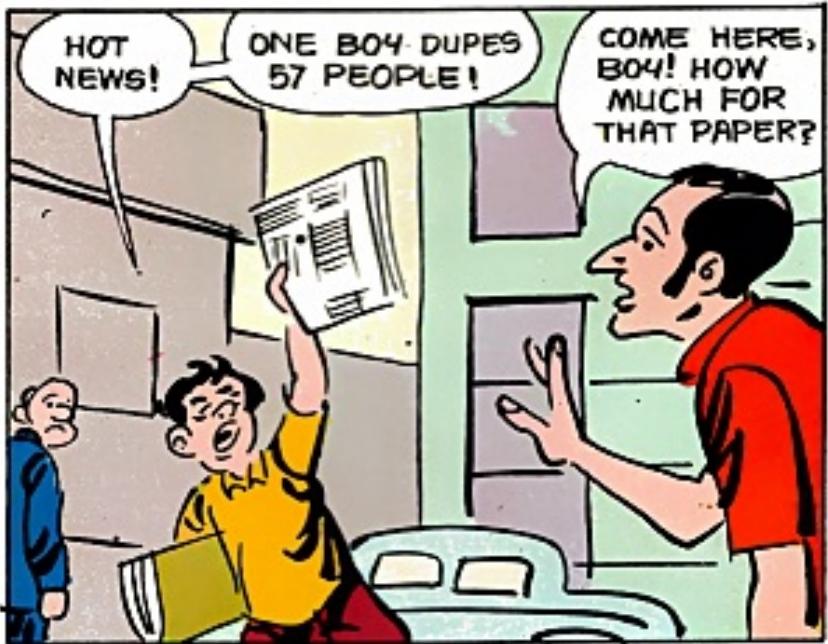
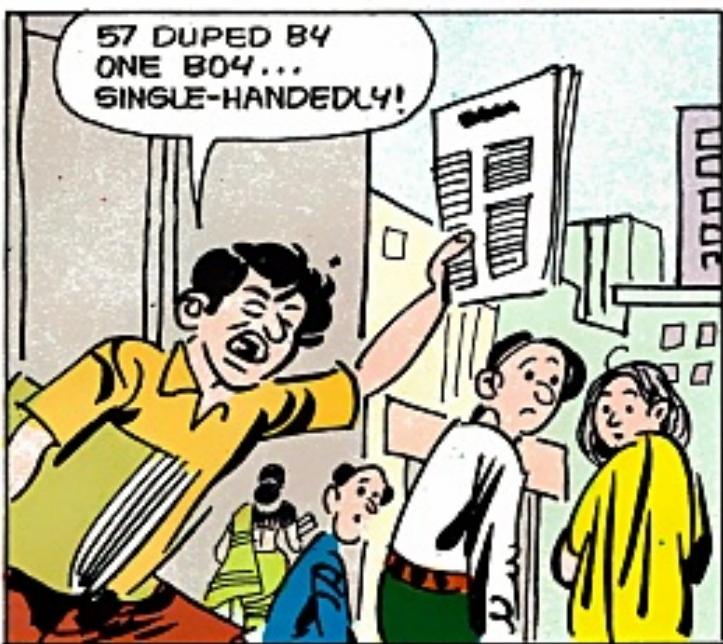


ONE MORE VICTIM

Readers' Choice

Illustrations :
Ram Waerkar

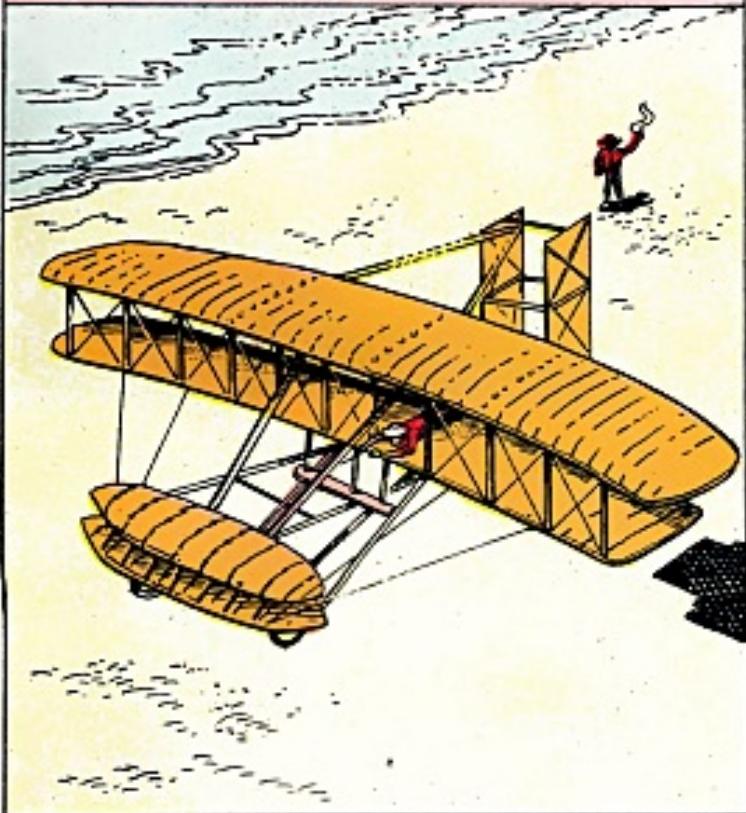
Based on a story sent by
K.P. Satish Kumar,
Bombay



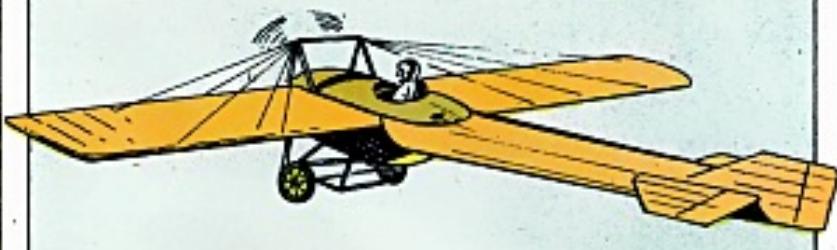
BREAKING THE SOUND BARRIER

Script: Iyer Prasad B.
Illustrations: Anand Mande

WHEN MAN FIRST ATTEMPTED FLIGHT HE DID SO ON MACHINES LIKE THIS ONE BUILT BY THE WRIGHT BROTHERS.



THE EARLY AEROPLANES WERE CRUDE MACHINES...



...COMPARED TO THE SLEEK JET AEROPLANES OF TODAY...



AT FIRST, AEROPLANES WERE DRIVEN BY PROPELLERS AND TRAVELED AT LOW SPEEDS.



BUT WITH THE ADVENT OF THE JET ENGINE, AIRCRAFT CAN BE MADE TO FLY FASTER AND FASTER.



TODAY WE HAVE AEROPLANES WHICH CAN FLY FASTER THAN EVEN THE SPEED OF SOUND. (SOUND TRAVELS AT THE SPEED OF 1216 KMPH, APPROXIMATELY, IN AIR.) SUCH AEROPLANES ARE KNOWN AS SUPERSONIC AEROPLANES. MOST OF THEM ARE USED BY THE MILITARY.



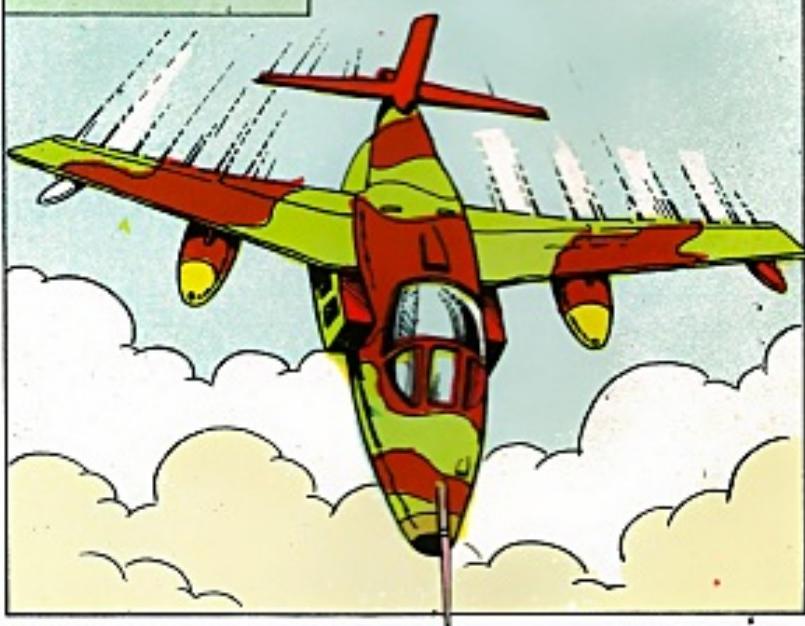
NOW LET US SEE WHAT HAPPENS WHEN AN AEROPLANE TRIES TO MOVE FASTER THAN THE SPEED OF SOUND. THIS IS A SEPECAT JAGUAR OF THE INDIAN AIRFORCE TAKING OFF. THE JAGUAR HAS A TOP SPEED OF 1920 KMPH.



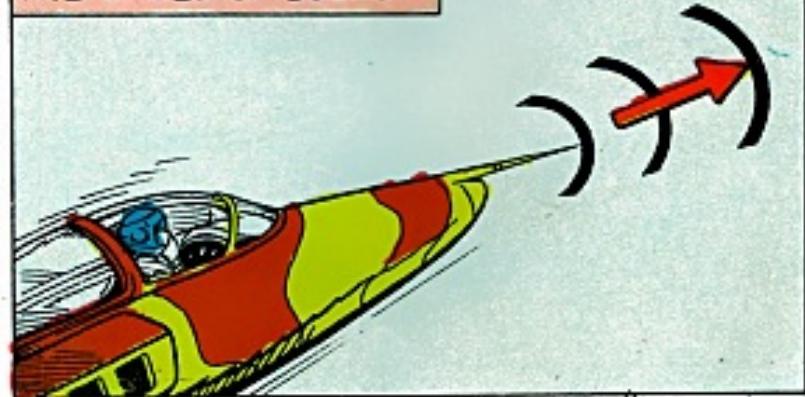
HE PUSHES FORWARD THE THROTTLE (SPEED CONTROL) LEVERS AND THE AEROPLANE GOES FASTER AND FASTER.



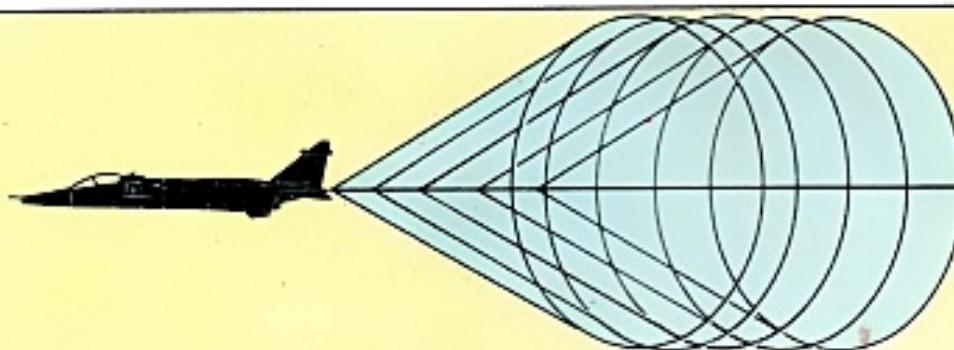
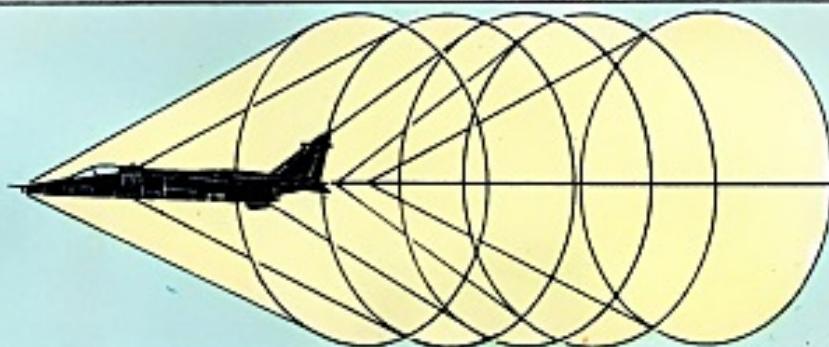
SOON THE PILOT CLIMBS TO AN ALTITUDE OF 5000 METRES.



WHEN THE AIRCRAFT MOVES, IT PUSHES THE AIR IN FRONT OF IT. THE AIR MOVES AWAY FROM THE PLANE BUT IT CANNOT MOVE FASTER THAN THE SPEED OF SOUND.

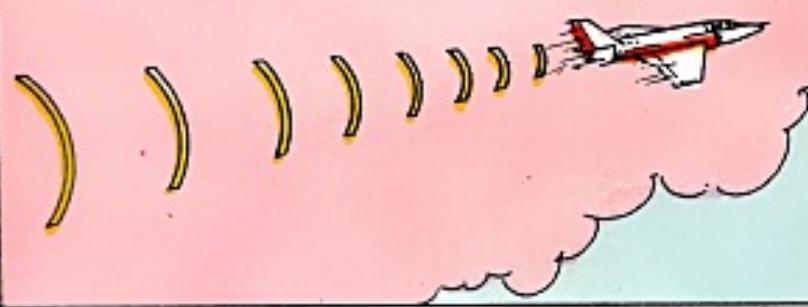


SO WHEN THE PLANE APPROACHES THE SPEED OF SOUND, THE AIR CAN NO LONGER MOVE AWAY AND IT FORMS A WALL IN FRONT. THIS IS CALLED THE SOUND BARRIER.



THE AIRCRAFT PUSHES ITS WAY THROUGH THIS WALL OF AIR. THERE IS A LOUD BANG AS IT DOES SO. THIS IS CALLED A SONIC BOOM. NOW THE AEROPLANE IS TRAVELING FASTER THAN THE SPEED OF SOUND.

BUT THE AIRCRAFT LEAVES BEHIND WAVES OF COMPRESSED AIR. THESE WAVES CAN SHATTER WINDOW-PANES IF THE AIRCRAFT BREAKS THE SOUND BARRIER AT TOO LOW A HEIGHT.



HERE ARE SOME AEROPLANES WHICH CAN TRAVEL FASTER THAN THE SPEED OF SOUND.



Readers' Choice

PARTHO'S JOKE

Illustrations:
Ram Waeerkar

A story sent by Sanjay Goyal,
Bangalore

ONE EVENING PARTHO ENTERED A CROWDED RESTAURANT...

WAITER, BRING
ME A PLATE
OF CHICKEN
BIRYANI.

YES,
SIR!

GOOD!

GENTLEMEN!
WHEN PARTHO
EATS BIRYANI,
EVERYONE EATS
BIRYANI!

YEAH! FREE
BIRYANI.

WAITER, BRING
ME A PLATE
QUICKLY!

ME,
TOO!

DELICIOUS!

THANK YOU,
THANK YOU.

YUM,
YUM!

AND NOW, GENTLEMEN,
WHEN PARTHO PAYS
HIS OWN BILL,
EVERYONE PAYS
HIS OWN BILL!!

?

??

?



Readers Write...

I liked the feature on Dinosaurs in TINKLE No. 72 very much. It was very interesting.

N. Mullai, Madurai

In TINKLE No. 74 "The She-Goat and the Leopard" was very nice. But since you have shown how cruel and selfish man is, I hope that you will also publish stories showing the good qualities of man.

Tanya Sen, Shamnagar

I was very happy to read my story in TINKLE No. 76. All my friends congratulated me and even my principal gave me his blessings after seeing my story in your magazine.

Nadeem Mecci, Bombay

I am a regular reader of TINKLE and so far I have not missed a single issue. Touch wood! But can't you increase the number of pages? After all TINKLE is the "first" magazine for children, which has all the "masala" that we want!

Devyani Singh, New Delhi



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FOR AMAR TINKLE CLUB MEMBERS
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SIZE CORRECTLY. YOU WILL RECEIVE YOUR
T-SHIRT BY MAIL WITHIN 30 DAYS.)**

Kalia THE CROW

Script
and
Illustrations:
IYER PRASAD B.



HEY, FRIEND, COME HERE.
WHO ARE YOU, AND
WHAT'S YOUR NAME?

I'M A CHEETAH, THE
FASTEST ANIMAL IN THE
WORLD. MY
NAME'S CHIRTA.

HEAR THAT,
DOOB DOOB? HE
COULD CATCH RABBITS
AND EVEN DEER
FOR US.

DEER,
DID YOU
SAY?

YES, THERE ARE A LOT OF ANIMALS IN
THIS FOREST. BUT THEY'RE TOO FAST
FOR US. YOU COULD CATCH THEM
EASILY ENOUGH.

HMM...

SO THAT'S THEIR GAME.
BUT I'LL FIX THEM.

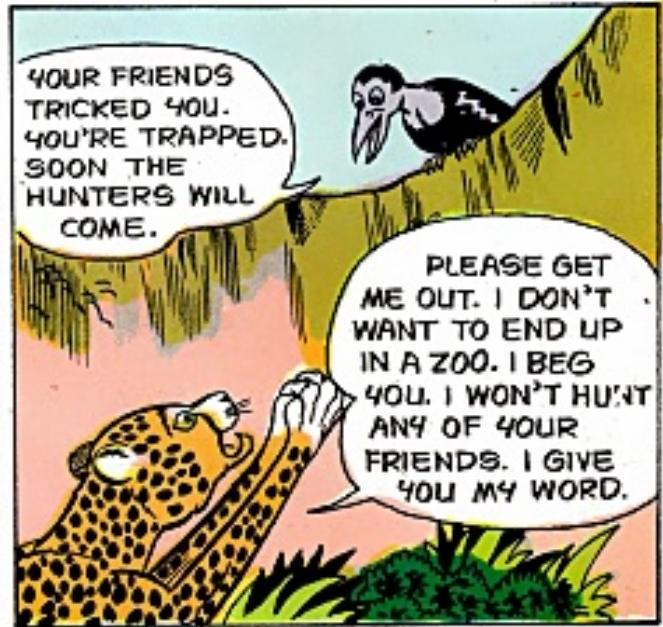
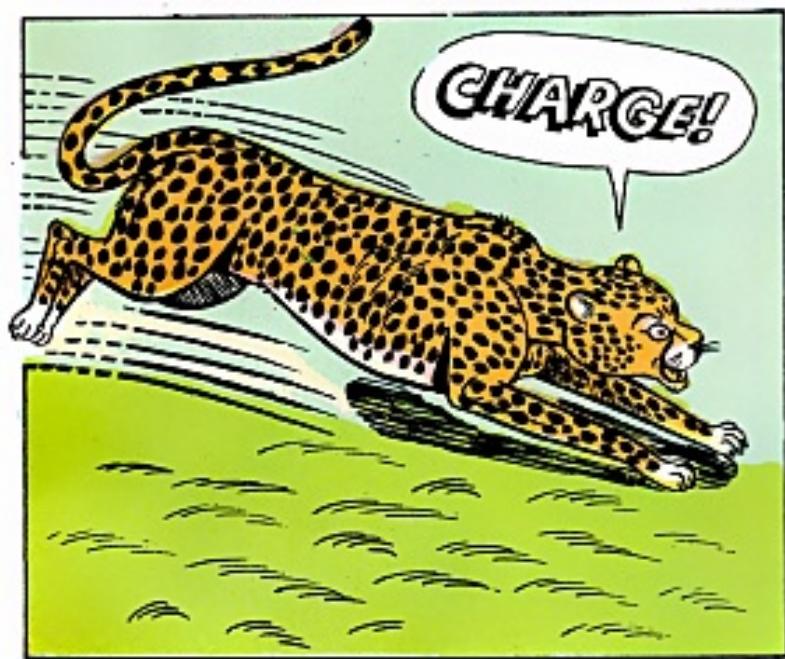
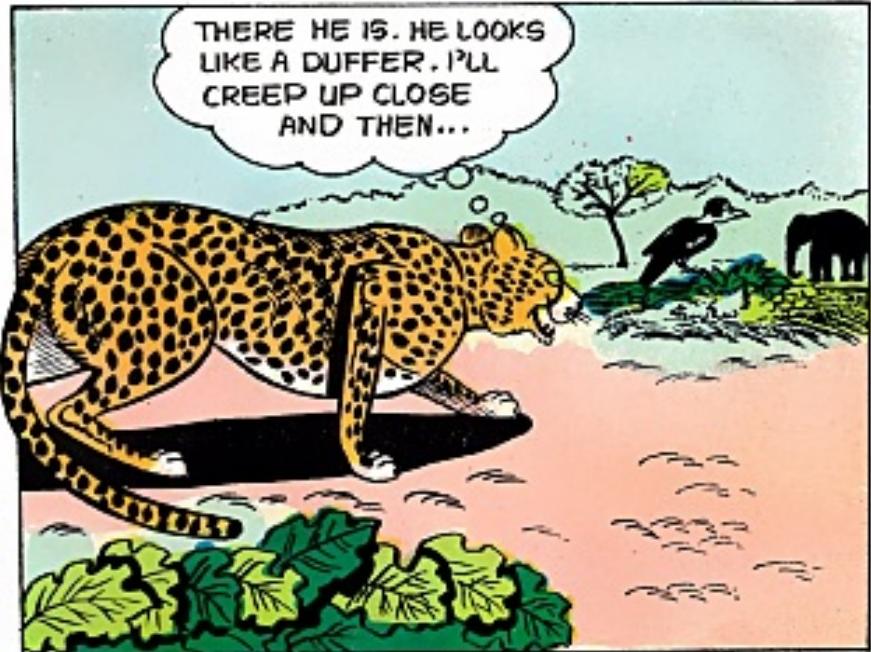
SEE THAT CROW? HE IS A
FRIEND OF THE ANIMALS
AND OUR GREATEST
ENEMY. HE HAS FOILED
ALL OUR PLANS.
HE COULD FOIL
THIS ONE TOO.

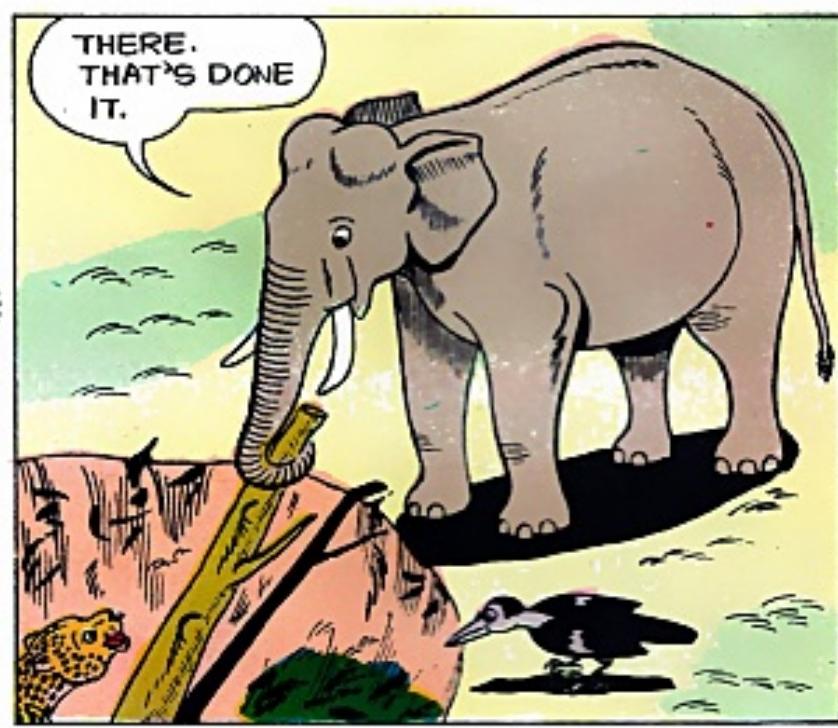
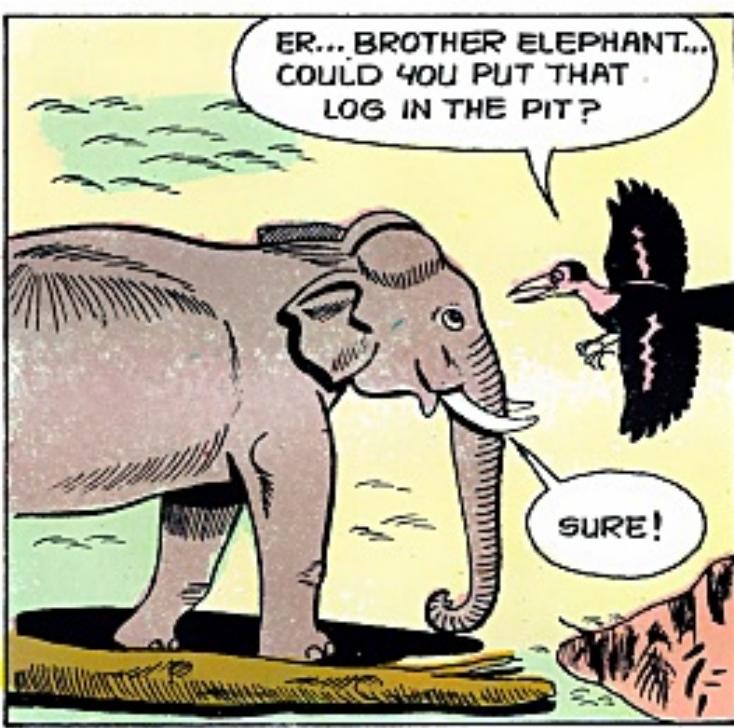
LEAVE
HIM TO
ME.

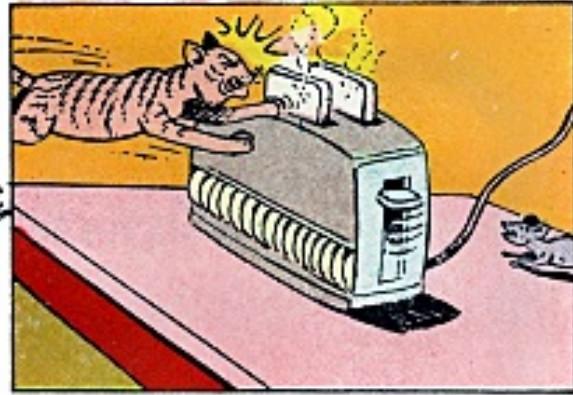
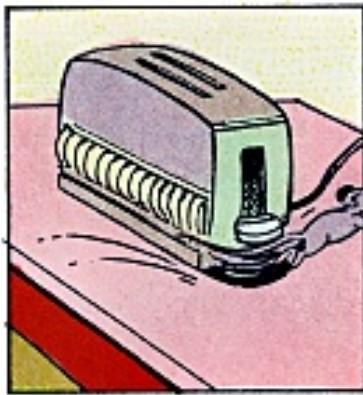
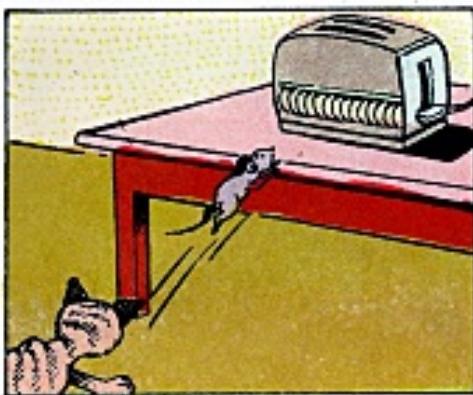
WELL, OFF YOU
GO THEN.

HMM... THERE'S THAT
PIT DUG BY THE HUNTERS.
THEY'VE COVERED
IT UP. I WONDER...









To Our Readers

TINKLE SUBSCRIPTIONS :

All new subscriptions and renewals are accepted at:

PARTHA BOOKS DIVISION,
Nav Prabhat Chambers, Ranade Road, Dadar,
Bombay 400 028.

The annual subscription rate for 24 issues is Rs. 96/- per year (add Rs. 5/- on outstation cheques). Drafts/cheques/M.O. should be in favour of PARTHA BOOKS DIVISION.

If you are a subscriber to TINKLE, you will receive a surprise birthday gift from Uncle Pai if you send him your birthdate, along with your subscription number.

Readers' Contributions should be addressed to Editor, TINKLE, Mahalaxmi Chambers, (Basement), 22, Bhulabhai Desai Road, Bombay 400 026.

Readers' Choice :

- Please send only folktales you have heard and not those you have read in books, magazines or textbooks. Rs. 25/- will be paid for every accepted contribution.
- Send a self-addressed stamped envelope if you want the story to be returned.
- Please do not send photographs until asked for.

This happened to me :

You can write on your own strange, thrilling or amusing experience or adventure. Rs. 15/- will be paid for every accepted contribution.

Readers Write...

1. Mail your letters to : Tinkle,
P. Bag No. 16541, Bombay 400 026.
2. Please give your address in your letters, if you want a reply.

TINKLE TRICKS AND TREATS

1. Mail your entry to : Tinkle Competition Section P. Bag No. 16541 Bombay 400 026
2. The first 50 all-correct entries received by us will each win a Colourful TINKLE letterpad
3. The next 50 all-correct entries received by us will each win a copy of Amar Chitra Katha
4. The next 50 best entries will each receive a copy of AMAR INDIA

— CUT HERE ——————

ENTRY FORM

NAME : _____

ADDRESS : _____

STATE : _____

MY SOLUTIONS

A _____

B _____

C _____

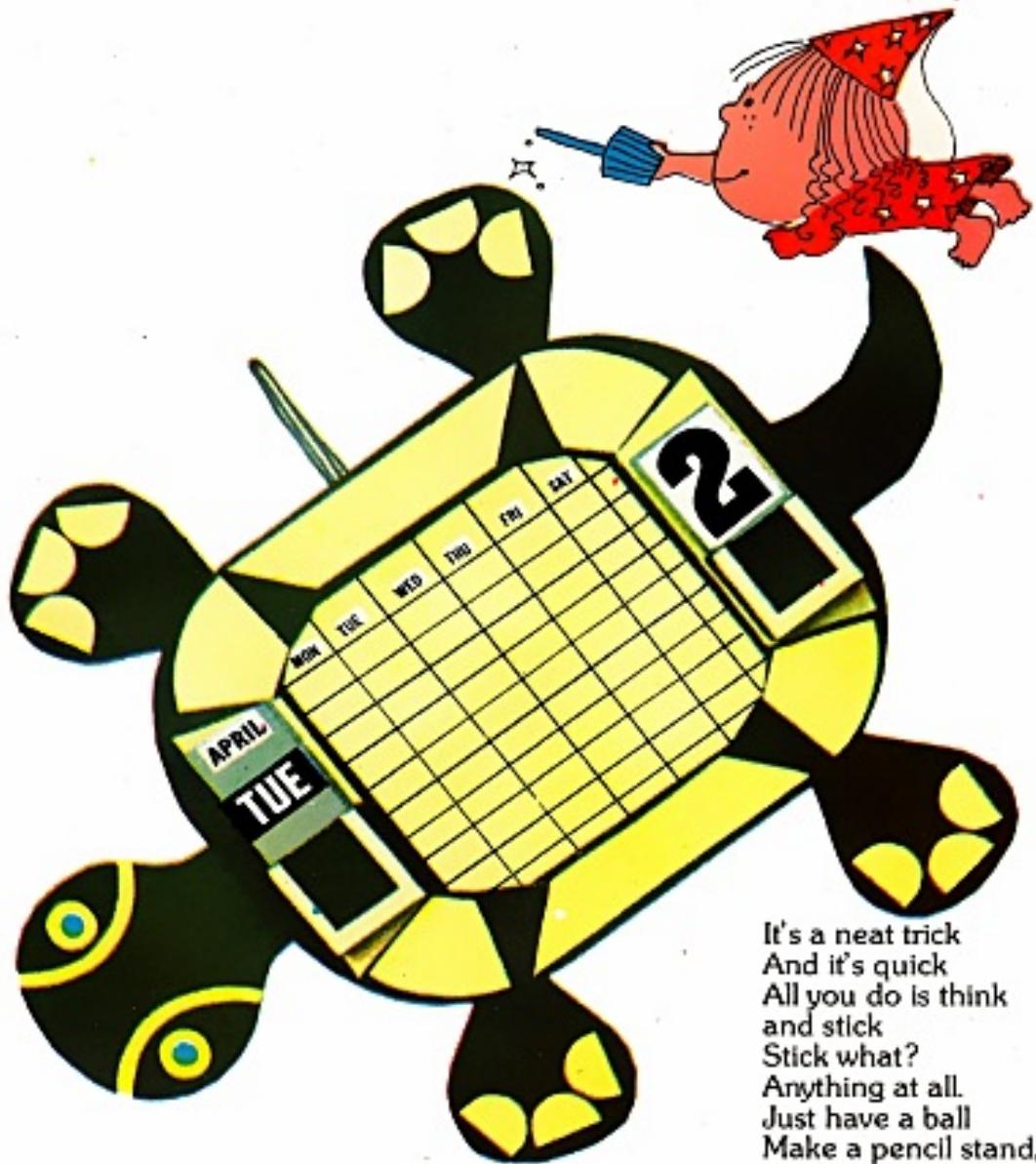
TTT-55

PIN

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**"Tuffy the Tortoise is great fun to make
Bits 'n' pieces with Fevicol
That's all he takes"**

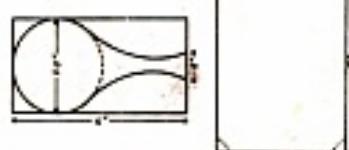
— Fevi Fairy



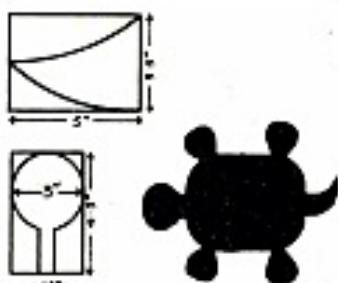
It's a neat trick
And it's quick
All you do is think
and stick
Stick what?
Anything at all.
Just have a ball
Make a pencil stand,
a basket
... even a doll
It's not messy at all.
How can that be?
With Fevicol.
With Fevicol MR you
could go on and on....
and whatever you make,
will last and last.
Because Fevicol MR
really stick to its job.

You will need:

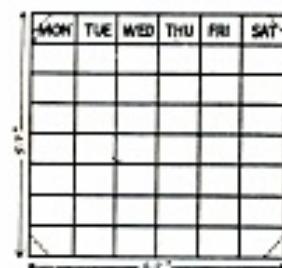
- Cardboard
- Green velvet paper
- Yellow chart paper
- Brown paper
- Old calendar
- Empty cigarette packet
- Green silk cord
- Photo corners (four)
- Fevicol MR Adhesive



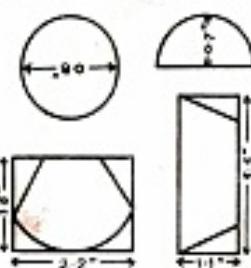
1. Cut out Tuffy's body and head out of cardboard as shown. Cover the head and body with green velvet paper using Fevicol MR.



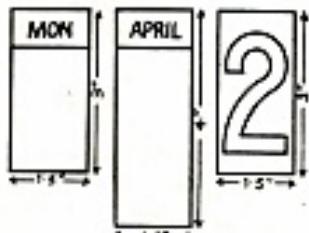
2. Cut out four feet and tail out of cardboard as shown. Cover with green velvet paper. Stick head, body, feet and tail together to form Tuffy.



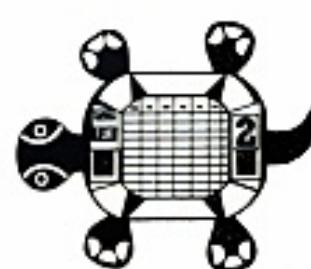
3. On yellow chart paper make a timetable as shown. For names of the days, use an old calendar. Cut out names and stick as shown.



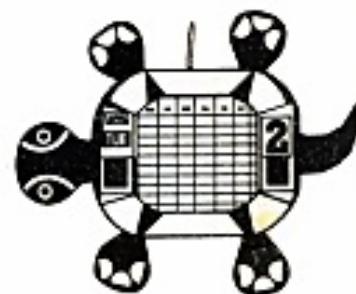
4. From yellow chart paper, cut out Tuffy's eyes, 12 claws and 8 scales (4 of each type). Decorate Tuffy's face, feet and body as shown.



5. Cut a cigarette packet into 2 halves and cover with green velvet paper. Cut out names of days, months and dates from calendar and stick on chart paper, pieces of 3" X 15" for day and date and 4" X 1.5" for months.

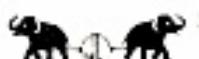


6. Put 4 photo corners on Tuffy's body and insert timetable. Stick cigarette pack halves on the sides and arrange days, dates and months in them.



7. Stick silk cord loop behind Tuffy's body as shown. Cover the reverse side of Tuffy's body with brown paper.

**Tuffy the Tortoise is ready!
He'll take care of all the dates of the
year and your school time-table now.**



FEVICOL^{MR}
Synthetic Adhesive



When you do your best, you stick with the best

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